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1. The first group of people who are likely to be affected by the proposed project are the local residents who live in the vicinity of the project site. These residents may be affected by the project in a number of ways, including increased traffic, noise, and air pollution. The project may also affect the local economy by creating jobs and increasing the demand for goods and services.

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CONTENTS

AQUATIC PLANTS AND THEIR CONTROL

CULTURE AND PROPAGATION

| | |
|--|---|
| General Fish Culture | 1 |
| Trout and Salmon Culture | 2 |
| Warmwater Culture | 3 |
| Mariculture | 4 |
| Feeds, Feeding and Nutrition | 5 |
| Transporting Fish | 6 |
| Aquariums | 7 |
| Miscellaneous Culture Techniques and Equipment | 8 |

LIMNOLOGY AND OCEANOGRAPHY

| | |
|------------------------------|----|
| General | 9 |
| Physical | 10 |
| Chemical | 11 |
| Benthos | 12 |
| Plankton | 13 |
| Primary Production | 14 |

MORPHOLOGY, PHYSIOLOGY, GENETICS AND BEHAVIOR

| | |
|--|----|
| Morphology | 15 |
| Physiology | 16 |
| Genetics, Variation Studies, Hybridization | 17 |
| Behavior | 18 |

NATURAL HISTORY

| | |
|---|----|
| Life Histories - General Works | 19 |
| Population Studies - Production, Standing Crop, Recruitment | 20 |
| Spawning Habits and Movements, Sex Ratios, Fecundity, etc | 21 |
| Movements, Seasonal and Depth Distribution, etc | 22 |
| Food and Feeding | 23 |
| Age and Growth | 24 |
| Geographical Distribution, Fish surveys, etc | 25 |
| Abundance, Factors of, Survival and Mortality | 26 |
| Identification, Keys, Classification | 27 |

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1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

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1. The first group of people who are likely to be affected by the new law are those who are currently in the process of applying for a passport. This group includes those who have already submitted their applications but have not yet received their passports, as well as those who have not yet submitted their applications but plan to do so in the near future.

1. The first group of people who are interested in the results of the study are the researchers themselves. They want to know how well the study was conducted and whether the results are reliable and valid. They also want to know how the study was funded and whether there were any conflicts of interest.

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 freshwater reaches, and biomass (g per m²) was directly related to tota
 time. Trout (*Salmo gairdneri* and *S. clarki*) and Dolly Varden
 (*Salvelinus malma*) were not common in the stream/estuary ecotone bu
 mon in freshwater. Total salmonid biomass during summer was di
 rated to the amount of large organic debris in the stream. Tagged sal
 ved little movement during summer but redistributed themselves with
 cupine Creek system before winter. Coho moved out of the stream/e
 cone to upstream freshwater areas to overwinter. In late autumn, coh
 marily large mainstream pools, backwater pools, and secondary-c
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Utah: Big Creek
 86-001245
 Utah: Cache Cty : Blacksmith Fork River
 86-003643
 Utah: Flaming Gorge Reservoir
 86-002799
 Utah: Green River
 86-004436
 86-004710
 Utah: Wasatch Cty.: Main Creek
 86-004432
 Utah: Yampa River
 86-004436
 86-004710
 Venezuela
 86-000868
 86-001624
 86-001675
 86-003505
 86-003858
 86-005650
 Venezuela: Apure River
 86-002665
 Venezuela: Lake Valencia
 86-004527
 86-005090
 Venezuela: Rio Chama River
 86-001730
 Vermont
 86-002192
 86-003296
 Vermont: White River
 86-000487
 Vietnam
 86-005223
 Virgin Islands St. Croix
 86-000621
 Virginia
 86-000561
 86-001085
 86-001227
 Virginia: Chesapeake Bay
 86-001251
 Virginia: Chincoteague Bay
 86-000684
 Virginia: Fox Creek Marsh
 86-004241
 Virginia: James River
 86-005598
 Virginia: Lake Anna
 86-004548
 Virginia: Shenandoah River
 86-001156
 Virginia: South Fork Holston River
 86-000586
 Virginia: York River Estuary
 86-004476
 Wadden Sea
 86-002707
 86-002739
 86-005174
 Wales
 86-001659
 86-001935
 86-002931
 86-003299
 86-004372
 Wales: Carmarthen Bay
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 86-001044
 86-001662
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 Washington
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 Washington: Kalama
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 Washington: Mount S
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 86-000955
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 86-003203
 86-005186
 Washington: Snake R
 86-005540
 Washington: Yakima
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 Weddell Sea
 86-004814
 West Germany
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 86-005004
 West Germany: Danub
 86-004665
 West Germany: Lahn
 86-003074
 West Germany: Rhine
 86-003074
 West Virginia: Ohio
 86-001842
 West Virginia: Pres
 Creek
 86-002595
 White Sea
 86-003752
 86-003795
 Wisconsin
 86-001629
 86-001754
 86-001761
 86-001821
 86-002999
 86-003193
 Wisconsin: Dane Cty
 86-002754
 Wisconsin: Dane Cty
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 Wisconsin: Fox River
 86-000799

Wisconsin: Iowa Cty.: Halverson Lake
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Wisconsin: Kenosha Cty.: Silver Lake
86-005076
Wisconsin: Lake Mendota
86-004382
Wisconsin: Lake Michigan
86-000566
Wisconsin: Lake Superior
86-003195
Wisconsin: Lake Wingra
86-001751
Wisconsin: Lake Winnebago
86-005573
Wisconsin: Manitowoc Cty.: Bullhead
Lake
86-003287
Wisconsin: Manitowoc River
86-001721
Wisconsin: Menominee River
86-001247
Wisconsin: Mississippi River
86-001189
Wisconsin: Sheboygan River
86-001721
Wisconsin: Twin River
86-001721
Wisconsin: Vernon Cty.: Timber Coulee
Creek
86-001242
Wisconsin: Vilas Cty.: Trout Lake
86-003646
Wisconsin: Wisconsin River
86-003294
Wyoming
86-000820
86-001092
86-001122
86-001248
86-005443
Wyoming: Flaming Gorge Reservoir
86-002799
Wyoming: Green River
86-002642
Wyoming: Snake River: Three Channel
Spring Creek
86-005596
Wyoming: Snowy Range
86-002880
Wyoming: Yellowstone Natl. Park
86-005447
Wyoming: Yellowstone Natl. Park:
Yellowstone River
86-005606
Yugoslavia
86-000888
Zaire
86-004708
Zimbabwe
86-005614

nis ballerus
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 5-000177
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 5-000539
 e/Growth
 5-003276
 5-004638
 5-004641
 5-003958
 igestive System
 5-002449
 ctrophoresis
 5-002600
 ryology
 -002240
 ymes
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 ds/Feeding
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 yth-Weight Relationships
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 e History/General
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 ageant/Research--General
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 ruitment
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 -001970
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 ation Studies
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 Fduf caeruleolineatus
 Species
 -004784
 Fduf starcki
 Species
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Acanthochromis polyacanthus
 Aggressive Behavior
 86-004221
 Acanthoclinidae
 Taxonomy
 86-000822
 Acanthoclinus fuscus
 Locomotion
 86-002638
 Acanthocybium solandri
 Foods/Feeding
 86-004543
 Acanthomorpha
 Taxonomy
 86-002913
 Acanthopagrus
 Bomolochidae
 86-003005
 Ergasilus
 86-003006
 Parasites/Diseases
 86-001828
 86-003005
 86-003006
 Parasitic Copepods
 86-003005
 86-003006
 Trematodes
 86-001828
 Acanthopagrus australis
 Austrobdella bilobata
 86-005137
 Blood Chemistry
 86-002504
 Gill Parasites
 86-005138
 Inflammatory Response
 86-002504
 Leeches
 86-005137
 Parasites/Diseases
 86-005137
 86-005138
 Parasitic Copepods
 86-005138
 Trematodes
 86-005138
 Acanthopagrus berda
 Argulus
 86-005085
 Parasites/Diseases
 86-005085
 Parasitic Copepods
 86-005085
 Acanthopagrus cuvieri
 Commercial Fishing
 86-003342
 Creel Census
 86-003342
 Culture/Propagation
 86-002103
 86-002105
 Egg Collection
 86-002105
 Fingerling Production
 86-002105
 Harvest
 86-003342
 Management/Research--Marine
 86-003342
 Tank Culture
 86-002103
 Acanthopagrus latus
 Argulus
 86-005085

Culture/Propagation
 86-002105
 Egg Collection
 86-002105
 Fingerling Production
 86-002105
 Parasites/Diseases
 86-005085
 Parasitic Copepods
 86-005085
 Population Studies
 86-002730
 Acanthoplesiops psilogaster
 New Species
 86-000822
 Acanthuridae
 Reef Fish Communities
 86-004550
 Trophic Relationships
 86-004550
 Acanthuroidei
 Early Development
 86-004862
 Taxonomy
 86-004862
 Acestrorhynchinae
 Karyotypes
 86-001529
 Acheilognathus rhombea
 Endocrinology
 86-000383
 Reproduction
 86-000383
 Acipenser
 Electrophoresis
 86-002608
 Acipenser baeri
 Culture/Propagation
 86-001316
 Diets
 86-001316
 Embryology
 86-003934
 Feeding Experiments
 86-001316
 Metabolic Rates
 86-003934
 Acipenser brevirostrum
 Culture/Propagation
 86-002128
 Habitat Selection
 86-004390
 Management/Research--General
 86-002128
 Movements
 86-000629
 Spawning
 86-004390
 Acipenser fulvescens
 Culture/Propagation
 86-000020
 Early Development
 86-000178
 Lamprey Parasitism
 86-001853
 Management/Research--Lakes
 86-005573
 Management/Research--Rivers and
 Streams
 86-001247
 Parasites/Diseases
 86-001853
 Population Studies
 86-001247

Temperature
 86-000178
 Acipenser gueldenstaedti
 Abundance/Factors of
 86-001752
 Biochemical Composition
 86-001288
 Culture/Propagation
 86-001288
 86-001239
 86-001311
 86-002094
 Distribution/Factors of
 86-002867
 Endocrinology
 86-001400
 Feeding Experiments
 86-001311
 Feeds
 86-001311
 Flow Regimes
 86-001752
 Hormones
 86-001400
 Inbreeding
 86-001289
 Metabolic Rates
 86-001395
 Pond Culture
 86-001288
 86-002094
 Respiration
 86-001395
 Salinity
 86-002867
 Spawning
 86-001752
 Temperature
 86-002867
 Acipenser oxyrinchus
 Cell Culture
 86-002451
 Culture/Propagation
 86-002128
 Life History/General
 86-000526
 86-001057
 Management/Research--Es
 86-000526
 Management/Research--Ge
 86-001057
 86-002128
 Movements
 86-000526
 Acipenser oxyrinchus des
 Exploitation Rates
 86-000563
 Habitat Selection
 86-000563
 Life History/General
 86-000563
 Management/Research--Ri
 Streams
 86-000563
 Meristic Studies
 86-003810
 Movements
 86-000563
 Taxonomy
 86-003810
 Variation Studies
 86-003810
 Acipenser persicus colch
 Taxonomy
 86-004789

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 -001290
 -002094
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 ocrinology
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 -003775
 d Culture
 -002094
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 novirididae
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 novirosis
 -005050
 /Growth
 -002066
 no Acids
 -000399
 od Chemistry
 -000399
 ure/Propagation
 -002066
 -002068
 -003443
 -003561
 s
 -003561
 estive System
 -001408
 -002312
 ly Development
 -000178
 omics
 -002068
 Quality
 -003443
 ctrophoresis
 -004091
 ocrinology
 -000403
 ynes
 -001408
 -002312
 ding Experiments
 -003561
 ds
 -003561
 th Hormone
 -000403
 e History/General
 -004252
 agement/Research--General
 -004252
 egulation
 -000327
 asites/Diseases
 -000899

. CONTINUED .
 Acipenser transmontanus
 Parasites/Diseases
 86-005050
 Reproduction
 86-000316
 Reproductive System
 86-000221
 Starvation
 86-000399
 Status
 86-004252
 Status/Idaho
 86-004673
 Temperature
 86-000178
 Viral Diseases
 86-000899
 86-005050
 Acipenseridae
 Abundance/Factors of
 86-001759
 86-001760
 Culture/Propagation
 86-000039
 86-000517
 86-003392
 Excretory System
 86-002237
 Floods
 86-001759
 Flow Requires
 86-001630
 86-001759
 Kidney
 86-002237
 Life History/General
 86-000517
 Management/Research--Rivers and
 Streams
 86-001968
 Predator/Prey Relationships
 86-001760
 Reproductive System
 86-003750
 Salinity
 86-001630
 Spawning
 86-001630
 Stocking/Introductions
 86-001968
 Supplemental Stocking
 86-001968
 Acipenseriformes
 Digestive System
 86-000659
 Foods/Feeding
 86-000659
 Actinopterygii
 Enzymes
 86-003859
 Evolution
 86-000836
 Adinia xenica
 Early Development
 86-001358
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responses of juvenile brook trout, *Salvelinus fontinalis*, to
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 rain-forest stream located on Barkly Sound, Vancouver Is.
 Columbia It is the site of a 15-year watershed study concerned w
 of logging on anadromous and resident salmonids. This paper dea
 the effects of natural and logging-induced stream temperatur
 winter on juvenile coho salmon. Extensive logging began in the
 77 and continued until 1980-81, by which time 41% of the wate
 clearcut. Stream temperatures in early winter from 1976-77 t
 were higher than they had been prior to logging. Temperat
 resulted from climatic amelioration, which began in 1976, and f
 of logging. As a result of higher temperatures, coho salmon fry e
 in the spring than they had prior to logging. Early emergent fis
 move downstream during spring freshets began growing sooner. In
 of highest winter temperatures, fry emerged 47 days earlier
 prelogging years and this, coupled with faster growth in late
 the fish entering their first winter at a larger size. Consequ
 through the winter was greater, leading to increased numbers and
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 speculation is offered about processes that have affected strea
 during winter.

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[Quinault Dep. Nat. Resour., Taholah, WA 98587] Excessive cle
 residues along small streams can deplete the stream environ
 stabilized organic debris. An experiment was conducted to deter

05396 CONTINUED the effects on a resident salmonid population cleaning a stream course of organic debris. The study was conducted in water streams of the Clearwater River in Washington during 1972 and spring of the stream had little or no effect on numbers and biomass of cutthroat (*Salmo clarki clarki*) immediately after alteration and prior. Subsequently, population reductions occurred in the treated stream during winter 1972-1973, but these losses were short-term. The decline in numbers of overwintering trout was apparently associated with habitat degradation brought on by the removal of large organic debris from the stream channel. Within 1 year of debris removal, the cutthroat trout population returned to pretreatment levels. Also the physical habitat characteristics of the altered stream were largely restored to pretreatment conditions with the removal of debris. If there had not been a source of debris to replace what was removed, habitat and fish recovery may have been slower.

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Box 1024, Lanai, HI 96763] Evapotranspiration of rapidly growing forested watersheds can reduce the minimum streamflows during the summer. In many stream watersheds in southeast Alaska, the minimum summer streamflows limit spawning success of coho and chum salmon and may limit the habitat of species such as coho salmon and cutthroat trout. Extrapolating from the literature leads to the conclusion that converting significant portions of old-growth watersheds to second-growth forest risks permanently reducing summer streamflows of the streams and, thus their ability to produce salmon. It is recommended that this risk be considered in managing the forests and watersheds. The effects on streamflow of converting old-growth forests to second-growth forests should be included in studies of logging in southeast Alaska.

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[N.Y. State Dep. Environ. Conserv., Albany] Catch and release regulations
are an effective tool for accomplishing a variety of wild trout management
objectives in New York. Absolute or partial harvest restrictions have been
successfully employed to: 1) increase angler catch of wild trout;
rainbow and lake trout; 2) reduce need for stocking of wild trout;
stream brown trout and lake trout fisheries; 3) restore wild trout
trout, rainbow and lake trout populations; and 4) increase the maximum size,
abundance and catch rate of wild trout. Attainment of these objectives has
typically been at a cost. Size limit protection has frequently produced
Implementation of catch and release regulations has typically resulted in
temporary depression in angler use followed by partial or complete recovery
several years. Neither lack of angler compliance nor has it
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Regulations for brown trout were changed from a 12-inch minimum to a slot limit. The slotted limit allowed harvest of trout between 8 and 12 inches. Trout over 16 inches. Abundance of brown trout smaller than 8 inches decreased. Abundance of 8- to 12-inch brown trout decreased by 32%, and abundance of trout over 12 inches decreased by 47%. Growth rate did not change significantly. Annual fishing mortality rate between ages 2 and 3 increased from near zero to about 30%, and this reduced the number of fish surviving to older ages and larger sizes. However, unfavorable changes in environmental conditions contributed to decreases in abundance also. Total numerical harvest of brown trout increased nearly five times but consisted of smaller fish. Fishing pressure probably increased somewhat, but the increase in harvest was due primarily to the change in size limits. Voluntary release of legal-size trout appeared to increase independent of our regulations. We concluded that the greatest effect of the slotted limit was in reshaping man's use of brown trout populations. Biological effects were comparatively unimportant, and their influence on satisfying desires of different factions within the fishing community.

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 Abbott, J. C
 86-000470
 Abdallah, I. S
 86-004944
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 86-002103
 Abe, H
 86-003819
 Abe, K.
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 Abe, S
 86-004266
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 Abel, P. D
 86-005225
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 86-003410
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 Abidin, A. Z
 86-004386
 Able, K. W.
 86-000750
 86-001628
 86-002216
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 Ablett, R. F.
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 Aboussouan, A.
 86-003678
 Abraham, B. J.
 86-000514
 Abramova, Z. I.
 86-003569
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 Abrams, O
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 Abrams, P. A
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 Abramson, B.
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 Abrazumov, V. A.
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 Abrell, O. B.
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 Abrosimova, N. A.
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 Acere, T. O.
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 Achord, S.
 86-002464
 Actis, L. A.
 86-002939
 Adachi, S.
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 Adam, H.
 86-001493
 86-003740
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 Adamczyk, L. H.
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CONTINUED.

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 86-004915
 Adams, A. M.
 86-001789
 Adams, M. A.
 86-001296
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 Adams, S. M.
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 Adelman, I. R.
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 Adkins, G.
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 Adriano, M.
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 Adron, J. W.
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 Afonich, R. V.
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 Afzal, M.
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 Agarwal, H. C.
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 Agellon, L. B.
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 Aggus, L. R.
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 Aglen, A.
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 Aguirre, P.
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 Aguis, C.
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 Agulleiro, B.
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 Agus, Z. S.
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 Ahammad Sahib, I. K.
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 Akatsu, S.
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Annett, C. S.
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Annibal, S. R. P.
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Anson, J. F.
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Anthouard, M.
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Antipova, T. V.
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Antoine, T.
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Antosch, L. M.
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Antychowicz, J.
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Anuradha, S.
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Anzai, H.
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Aoyama, T.
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Apostolopoulos, J.
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Appa Rao, T.
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Appanna Sastry, Y.
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Appelbaum, S.
86-003063
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Appler, H. H.
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Appy, R. G.
86-001822
Aprahamian, M. W.
86-001790
Aps, R.
85-004623
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Aquino, R. T.
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Arai, K.
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86-004090
Arai, M.
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Arai, S.
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86-000345
Arakawa, C. K.
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Arants, A.
86-000623
Araujo-Lima, C. A. R. M.
86-004228
Arbault, S.
86-004305
Arce, R. G.
86-003412
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86-003528
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Arcifa, M. S.
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Ardizzone, G. D.
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 Arkhipchuk, V V
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 Armbruster, E.
 86-003291
 Armor, C.
 86-000788
 Armour, C L
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 Arnold, C. R
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 86-003825
 Artemov, A. G.
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 Arthington, A. H.
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 Arthur, J. R.
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 Arthur, J W.
 86-001042
 Arturo Acero, P
 86-004160
 86-004788
 Artyukhin, E N.
 86-004789
 Arunachalam, S.
 86-001013
 Arvola, L
 86-000589
 Arya, S N.
 86-000936
 Asada, T
 86-001454
 Asahina, K
 86-000188
 Asano, H
 86-003253
 Asano, K
 86-003369
 Asano, M
 86-003826
 Asao, T
 86-004948
 Asgard, T
 86-000060
 86-003529
 Ash, R.
 86-003827
 86-003970
 Aspinwall, N.
 86-002678
 Association pour la Recl
 Developpement de l'Aq
 86-003530
 Astancolie, S
 86-003860
 Astthorsson, O S.
 86-000653
 Asztalos, B
 86-000981
 Atchison, G. J.
 86-005267
 Atema, J.
 86-002628
 Atkinson, J R.
 86-001168
 Atlantic Salmon Federat
 86-005367
 Atsuta, A.
 86-005001
 Atton, F. M
 86-002843
 Atz, J. W
 86-002296
 Aubree, A.
 86-001890
 Audet, C.
 86-000189
 86-004161
 Auer, M. I
 86-003648
 Augustyn, D.
 86-003415
 Aulio, K.
 86-001230
 Aumen, N. G.
 86-005419
 Austin, B
 86-000863
 Austin, L S.
 86-000715
 Austrenq, E.
 86-000060
 86-003529
 Avault, J W., Jr
 86-002070
 86-002093
 AveLlallernant, S.
 86-000020
 Avella, M
 86-000252
 Avenant, A.
 86-001823
 Avendano Salas, T
 86-001299

AUTHOR INDEX

- Avery, E. L.
 86-001629
 Avila, G.
 86-003738
 Avtalion, R. R.
 86-004105
 Awakura, T.
 86-002062
 86-003000
 Axelrod, H. R.
 86-000005
 Ayling, A. M.
 86-004790
 Aysola, P.
 86-005294
 Ayvazova, L. Y.
 86-005229
 Azeta, M.
 86-000703
 Azizi, S. Q.
 86-000388
 Azzali, M.
 86-004440
 Baatrup, E.
 86-003683
 Babaluk, J. A.
 86-001617
 Babbitt, J. K.
 86-001313
 Babey, G.
 86-001937
 Babich, H.
 86-000982
 86-001874
 Babiker, M. M.
 86-004387
 Bacalbasa-Dobrovici, N.
 86-005375
 Backiel, T.
 86-002023
 86-004624
 86-005376
 Baddar, M. K.
 86-002689
 86-003205
 Badenko, L. V.
 86-001630
 Baenninger, R.
 86-004162
 Bagarinao, T.
 86-003001
 86-004230
 Bagdovitz, M. S.
 86-002706
 Bagge, P.
 86-001744
 86-004336
 Baggerman, B.
 86-000190
 Bagliniere, J. L.
 86-000599
 Bagshaw, J.
 86-003966
 Bagshaw, J. W.
 86-005033
 Baguet, F.
 86-001470
 Bahr, B. A.
 86-002297
 Bailey, J. K.
 86-002039
 Bailey, K. M.
 86-001602
 86-001674
 86-004231
 Bailey, R. M.
 86-001781
 Bailey, R. S.
 86-005691
 Bailly, Y.
 86-001350
 86-001425
 Bain, M. B.
 86-001178
 86-001234
 Bainbridge, V.
 86-004663
 Bakanev, V. S.
 86-004163
 Baker, B. I.
 86-002298
 Baker, C. D.
 86-002844
 Baker, I. J.
 86-002050
 Baker, J. A.
 86-004664
 Baker, J. P.
 86-005155
 Baker, R.
 86-001368
 Baker, R. L.
 86-003644
 Baker, W. A.
 86-003753
 Bakkala, R.
 86-005625
 Bakkala, R. G.
 86-004232
 Bakker, R.
 86-003828
 Baksil, S. M.
 86-001525
 Bakun, A.
 86-001745
 Balakhnin, I. A.
 86-000191
 Balarin, J. D.
 86-000022
 Balasubramanian, M. P.
 86-001013
 Balcer, M. D.
 86-000654
 86-000799
 Baldwin, W. J.
 86-002071
 86-002097
 86-002107
 Ballaer, E. V.
 86-000080
 Ballah, L.
 86-005626
 Ballantyne, J. S.
 86-003829
 Ballard, W. W.
 86-002218
 86-002219
 Ballatori, N.
 86-003089
 Ballintijn, C. M.
 86-000192
 Ballintijn, P.
 86-003830
 Balna, G.
 86-003508
 Balment, R. J.
 86-002491
 Balogun, J. K.
 86-003280
 Balon, E. G.
 86-005466

AUTHOR INDEX

Balon, E. K.
86-000131
86-001358
86-001359
86-001380
86-004482
86-004665
Balsamo, M.
86-002672
Balthrop, J. E.
86-000208
Baltosser, W. H.
86-000535
Baltz, D. M.
86-003314
Balushkin, A. V.
86-004791
Balvay, G.
86-003400
Balykin, P. A.
86-004388
Ban, T.
86-002234
Banerjee, A. C.
86-002153
Banner, C. R.
86-004949
Bannerot, S. P.
86-005627
86-005671
86-005693
Bannikov, A. F.
86-000814
Banno, J. C.
86-002084
Bannon, E.
86-004483
Banta, J. W.
86-004574
Baracco, A. W.
86-005528
Baragi, V.
86-003831
Baranes, A.
86-004317
Barannikova, I. A.
86-000006
86-001400
Baranova, V. P.
86-004484
Barans, C. A.
86-001267
Barbaro, A.
86-005026
Barbato, F.
86-003483
Barber, D. L.
86-001401
86-003832
86-003833
Barber, R. T.
86-001348
Barber, W.
86-004441
Barbera, J. C.
86-001875
Barbieri, G.
86-001631
Barbieri, M. C.
86-001631
Barbour, C. D.
86-003684
Barbour, S. E.
86-003624
Barefield, R. L.

. . . CONTINUED . . .
Barefield, R. L.
86-004485
Barger, L. E.
86-000714
Barham, W. T.
86-000193
Barja, J. L.
86-004992
Barlow, G. W.
86-002674
Barlow, J.
86-001206
Barnabe-Quet, R.
86-000051
Barnabe, G.
86-000051
86-002014
86-003484
86-003485
86-003486
Barnes, A.
86-000853
86-005075
Barnes, L.
86-000815
Barnes, T. A.
86-001270
Barnhart, G. A.
86-005442
Barnhart, R.
86-005688
Barnhart, R. A.
86-001620
86-004689
Barnum, J. B.
86-003196
Barr, V.
86-004033
Barrak, N. A. A.
86-002811
Barret, D. J.
86-000194
Barrett, D. J.
86-000125
86-000195
Barrett, J. T.
86-003177
Barrington, J.
86-003924
Barron, M. G.
86-005286
Barry, T.
86-005529
Barry, T. P.
86-000196
Bart, H. L., Jr.
86-001603
86-002683
Bartell, S. M.
86-001976
Bartels, H.
86-003685
Barth, T.
86-003441
86-003442
Barthelmy, L.
86-000378
86-002299
86-002320
86-002514
Barthelmes, D.
86-001216
Bartley, D. M.
86-004091
Barton, B. A.

. CONTINUED .
 Barton, B. A.
 86-002300
 Barton, D. R.
 86-001235
 Barton, L. H.
 86-004298
 Barus, V.
 86-004442
 Barwick, D. H.
 86-001169
 Barwick, R. E.
 86-002892
 Basasibwaki, P.
 86-004145
 Basham, L. R.
 86-001201
 Bashchuk, S. V.
 86-003943
 Basimi, R. A.
 86-001604
 86-001659
 Baska, F.
 86-002982
 Baskakova, T. E.
 86-001752
 Bassett, B. K.
 86-003416
 Bassi, R.
 86-004170
 Bassleer, R.
 86-000140
 Bastian, J.
 86-002301
 86-003904
 Bateman, H. H.
 86-003313
 Bates, J. M.
 86-005177
 Bath, H.
 86-004792
 Batique, O.
 86-002149
 Battaglione, S. C.
 86-005424
 Batten, T. F. C.
 86-002220
 86-002225
 86-002390
 86-002391
 86-003834
 Battod, E. M.
 86-004920
 Baturin, V. L.
 86-005458
 86-005489
 Bauchot, M.
 86-004743
 Baud, C. A.
 86-003772
 Baudin-Laurencin, F.
 86-002113
 Baudin, J.
 86-000940
 Baugh, T. M.
 86-001934
 86-003254
 Baughman, J.
 86-005443
 Baum, E. T.
 86-003292
 Baumann, P. C.
 86-003102
 86-003136
 Baur, R. J.
 86-001955
 Bautista, C.
 86-003059
 Bawazeer, A. S.
 86-003206
 86-003342
 Bax, N. J.
 86-001202
 Baylon Grecco, O.
 86-004675
 Baylon Grecco, O. H.
 86-004666
 Bayne, D. R.
 86-000025
 86-003419
 Bazigos, G. P.
 86-001977
 86-005728
 Beacham, T. D.
 86-000126
 86-000789
 86-001351
 86-002221
 86-002774
 86-003979
 86-004745
 Beall, E.
 86-004165
 Beames, R. M.
 86-003036
 Beamish, F. W. H.
 86-000715
 86-001319
 86-002350
 86-002351
 86-003167
 86-003531
 86-005281
 Beamish, R. J.
 86-000716
 86-001605
 86-002006
 86-003230
 86-004793
 Bean, R. M.
 86-001876
 Beard, K. A.
 86-003625
 Beasley, D.
 86-002302
 Beatty, D. D.
 86-003835
 Beauchamp, J. J.
 86-000977
 Beauchamp, R. D.
 86-000486
 86-001442
 Beaumier, B. A.
 86-002875
 Beck, A. D.
 86-005231
 Beck, L. T.
 86-001334
 Beckel, A. L.
 86-001754
 Beckenbach, A. T.
 86-000468
 86-002543
 Becker, B.
 86-002501
 Becker, C. D.
 86-004746
 Beckhan, E. C. III
 86-004794
 Beckwith, R.
 86-000438

- Beddington, J. R.
 86-002877
 Bedi, N.
 86-001140
 Bedier, E.
 86-003487
 86-003509
 Beeckman, W.
 86-004486
 Behmer, D. J.
 86-003643
 Behnke, R. J.
 86-004858
 86-005337
 86-005377
 Behrend, K.
 86-003686
 Behrends, L. L.
 86-001270
 86-002581
 Beitinger, T. L.
 86-000197
 Bekesi, L.
 86-000894
 Bekker, V. E.
 86-000752
 Belanger, S. E.
 86-001877
 Belaud, A.
 86-004443
 Belbenoit, P.
 86-002629
 Beleau, M. H.
 86-005324
 Belenky, M. A.
 86-000198
 Bell, C. C.
 86-003836
 Bell, D. V.
 86-001935
 Bell, G. R.
 86-004950
 Bell, J. D.
 86-001075
 86-004487
 86-004667
 86-004705
 Bell, J. G.
 86-003532
 86-003539
 Bell, L. J.
 86-001632
 Bell, M.
 86-001085
 Bell, M. A.
 86-003687
 Bell, M. V.
 86-003533
 Belliyappa, G.
 86-005230
 Belobrzheskii, V. A.
 86-004431
 Belpaire, C.
 86-001834
 86-005099
 Belyaev, V. A.
 86-004444
 Bement, W.
 86-000433
 Bemis, W. E.
 86-001352
 Ben Tuvia, A.
 86-004317
 Ben-Tuvia, A.
 86-000529
 Ben-Yami, H.
 86-001936
 86-002013
 86-005515
 Bence, J. R.
 86-000663
 86-004488
 Bencomo, I.
 86-000042
 86-003478
 Bende11-Young, L. I.
 86-005156
 Benech, V.
 86-004307
 Benfey, T. J.
 86-000451
 86-002530
 Bengston, D. A.
 86-000655
 Bengtson, D. A.
 86-005231
 Bengtsson, B.
 86-005232
 Benjamin, M.
 86-002222
 Benke, A. C.
 86-001236
 Bennett, M. B.
 86-003837
 Bennett, R. O.
 86-000984
 86-002303
 Bennett, W. N.
 86-005233
 Bentley, B.
 86-004091
 Bentzen, E.
 86-003653
 Benville, P. E., Jr.
 86-000985
 Berdyshev, G. D.
 86-004092
 Berg Lea, T.
 86-002101
 Berg, J.
 86-004622
 Berg, L.
 86-000941
 Berg, O. K.
 86-001606
 Berge, D.
 86-004452
 Berger, L.
 86-003953
 Berger, V. Y.
 86-004034
 Bergersen, E. P.
 86-001147
 86-001175
 86-004370
 Berggren, T. J.
 86-000526
 Berghahn, R.
 86-002707
 Bergin, J. D.
 86-005581
 Berglund, A.
 86-002630
 Bergman, H.
 86-003055
 Bergman, P. K.
 86-003169
 Bergot, P.
 86-003534
 86-003536

. CONTINUED.

| | |
|------------------------|------------------------|
| Bergot, P. | Betchaku, T. |
| 86-003537 | 86-002223 |
| 86-003555 | Bettoli, P. W. |
| 86-003702 | 86-000472 |
| 86-003864 | 86-003372 |
| 86-003882 | Betz, L. |
| Bergstrom, E. | 86-003093 |
| 86-005300 | Beveridge, M. C. M. |
| Berka, R. | 86-002056 |
| 86-003589 | Beverley-Burton, M. |
| Berkes, F. | 86-000920 |
| 86-001217 | 86-005079 |
| 86-001218 | Beverton, R. J. H. |
| Berman, I. S. | 86-002877 |
| 86-000587 | Bewers, J. M. |
| Berminham, E. | 86-003056 |
| 86-004093 | 86-005226 |
| Berminham, E. L. | Beyenbach, K. W. |
| 86-000621 | 86-000370 |
| Bern, H. A. | Bezerra da Silva, A. |
| 86-000280 | 86-003453 |
| 86-000344 | Bezerra e Silva, J. W. |
| 86-000380 | 86-003453 |
| 86-000393 | 86-003464 |
| 86-004015 | Bhanot, K. K. |
| 86-005240 | 86-000033 |
| Bernard, H. J. | Bharathi, D. |
| 86-001660 | 86-000200 |
| Berndtson, A. K. | 86-000219 |
| 86-000199 | Bhaskar, M. |
| Berneir, L. M. J. | 86-000200 |
| 86-005141 | 86-000219 |
| Bernier, M. F. | 86-003090 |
| 86-003246 | Bhaumik, U. |
| Berra, T. M. | 86-005279 |
| 86-003143 | Bianchi, E. |
| 86-004667 | 86-004374 |
| Berrebl, P. | Bianchini, M. L. |
| 86-005135 | 86-002770 |
| Berrie, A. O. | 86-005433 |
| 86-005077 | Biddinger, G. R. |
| Berry, C. | 86-001860 |
| 86-001937 | Bidwell, C. A. |
| Berry, C. H., Jr. | 86-001526 |
| 86-002403 | Bielak, A. T. |
| Berry, C. R. | 86-002304 |
| 86-002404 | Bieniarz, K. |
| Berry, C. R., Jr. | 86-000201 |
| 86-004046 | 86-001292 |
| Berry, F. H. | 86-002427 |
| 86-004873 | 86-003838 |
| Berry, W. J. | Bier, J. W. |
| 86-002187 | 86-003002 |
| Bertelsen, E. | Biesinger, K. E. |
| 86-004795 | 86-003091 |
| 86-004796 | Biester, G. |
| 86-004797 | 86-002583 |
| Berthiaume, L. | Biette, R. M. |
| 86-001820 | 86-001235 |
| Bertmar, G. | Bietz, B. F. |
| 86-004233 | 86-003186 |
| Bertollo, L. A. C. | Bignami, S. |
| 86-001529 | 86-003373 |
| 86-002582 | 86-005080 |
| Berube, M. | 86-005100 |
| 86-005078 | Biley, H. |
| Besporozvannykh, V. V. | 86-001711 |
| 86-000846 | Billard, R. |
| Best, C. D. | 86-000023 |
| 86-000318 | 86-000210 |
| 86-001337 | 86-003374 |
| Best, E. A. | 86-003375 |
| 86-002775 | 86-003400 |
| 86-004234 | 86-003417 |
| Betal'yants, K. Y. | 86-003423 |
| 86-004164 | |

CONTINUED
 Billard, R.
 86-003448
 86-003484
 86-003488
 86-003523
 86-003839
 86-004113
 Bills, T. D.
 86-001043
 Bilqees, F. M.
 86-005081
 86-005114
 Bilton, H. T.
 86-003225
 86-004629
 Bilyk, T. I.
 86-003958
 Binkowski, F. P.
 86-000178
 86-000517
 86-003392
 Bird, D. J.
 86-002298
 Bird, J. L.
 86-002224
 Birge, W. J.
 86-000983
 Birkhead, W. S.
 86-005582
 Birks, E. K.
 86-003840
 Birman, I. B.
 86-002878
 Biro, P.
 86-001219
 Birt, T. P.
 86-001527
 86-003841
 Bischoff, R. J.
 86-000597
 Bishop, A. B.
 86-001233
 Bishop, G.
 86-004925
 Bishop, R.
 86-001229
 Bisson, P. A.
 86-004668
 86-005378
 Bitterlich, G.
 86-000202
 86-000203
 Bittorf, T.
 86-002418
 Bivens, R. D.
 86-000753
 Bivin, W. M.
 86-005619
 Bizri, M.
 86-003842
 Bizri, Y.
 86-003842
 Bjerring, H. C.
 86-002891
 86-004798
 Bjorklund, I.
 86-001910
 Bjornn, T. C.
 86-005379
 86-005482
 Blachuta, J.
 86-002840
 86-004094
 Black, G. A.
 86-001553

.CONTINUED...
 Black, G. A.
 86-001712
 Black, G. F.
 86-001220
 Black, J.
 86-005234
 Black, J. A.
 86-000983
 Black, P.
 86-005234
 Blackwell, J. W.
 86-001135
 Blahn, T. H.
 86-001662
 86-002690
 Blair, C. H.
 86-001085
 Blakey, L. S.
 86-005404
 Blanc, F.
 86-002014
 Blanc, J. M.
 86-002045
 86-003949
 Blanchard, F. A.
 86-001009
 Blasco, J.
 86-003907
 Blau, G. E.
 86-000942
 Blaxhall, P. C.
 86-001403
 Blaxter, J. H. S.
 86-004236
 86-004237
 86-004489
 Blaylock, W. M.
 86-005535
 Blazer, V. S.
 86-000864
 86-001807
 Bleher, H.
 86-001323
 86-001713
 86-002172
 86-002173
 86-004669
 Bleken, E.
 86-004215
 Blezer, V. Z.
 86-001036
 Bloch, B.
 86-005082
 Block, B. A.
 86-000204
 86-002305
 Block, M.
 86-005235
 Blue, J. E.
 86-005692
 Blum, F.
 86-003334
 Blum, P.
 86-001353
 Blum, V.
 86-000374
 Blumer, L. S.
 86-000598
 86-002744
 86-004389
 Blumm, M. C.
 86-003293
 Blundon, R.
 86-001173
 Blunt, B. R.
 86-005270

86-002307
 Brinska, M.
 86-003281
 86-005184
 86-005571
 Bobovnikova, T. I.
 86-005157
 Boccignone, M.
 86-003546
 Bocek, A.
 86-002084
 Bocharova, T. A.
 86-004918
 Bock, F.
 86-005234
 Bock, M.
 86-004799
 Boczon, K.
 86-003002
 Boddaly, R. A.
 86-004238
 Bodennec, G.
 86-005302
 Bodle, J. E.
 86-004086
 Bodznick, D.
 86-002503
 Boehlert, G. W.
 86-000717
 86-000718
 86-001715
 86-003688
 86-003902
 Boehm, H.
 86-005004
 Boehm, P. D.
 86-003083
 Boehne, P. L.
 86-003191
 Boekelheide, R. J.
 86-004478
 Boersen, G.
 86-003376
 Boetius, I.
 86-001404
 Boetius, J.
 86-001404
 86-001581
 86-001714
 86-001716
 Boeuf, G.
 86-002046
 86-002407
 Boggio, S. M.
 86-001313
 Boggs, C. H.
 86-004573
 Bogitsh, B. J.
 86-001824
 Bohle, B.
 86-005158
 Bohling, P.
 86-000628
 86-001264
 Bohm, K. H.
 86-005003
 Bohnsack, J. A.
 86-001070
 86-005693
 Boisneau, P.
 86-000599

86-000794
 Bolla, S.
 86-000205
 Bolt, M. R.
 86-002280
 Bolton, J. P.
 86-002308
 Bord, C. E.
 86-000560
 86-001781
 86-004239
 Bondari, K.
 86-000024
 Bonfills, J.
 86-003508
 Bonga, S. E. W.
 86-001431
 Banner, J. C.
 86-005330
 Bonner, J. S.
 86-003629
 Bonnett, M. L.
 86-000796
 Bonneville Power Adminis
 86-001196
 Booke, H. E.
 86-001178
 86-001234
 Boon, J. P.
 86-000986
 Boord, R. L.
 86-000206
 Booth, C. A.
 86-005349
 Booth, D. J.
 86-000656
 86-001694
 Booth, L. C.
 86-004919
 Boraas, M. E.
 86-005233
 Borenfreund, E.
 86-000982
 86-001874
 Borg, B.
 86-000207
 86-002309
 Borgmann, U.
 86-001405
 86-005236
 Borgstrom, R.
 86-004490
 Borisovets, E. E.
 86-000127
 Borisyuk, A. B.
 86-000244
 Borkowski, W. K.
 86-000743
 Bornancin, M.
 86-000252
 Borodulina, O. D.
 86-004491
 Borseman, J.
 86-003317
 Bortone, S. A.
 86-001069
 Boscardin, A. T.
 86-002369
 Bouck, G. R.
 86-002181

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| 86-005492 | Christiansen, F. |
| Cheung, P. J. | 86-001545 |
| 86-001829 | Christie, A. D. M. |
| Chevalier, G. | 86-001774 |
| 86-000130 | Christie, A. E. |
| 86-005240 | 86-005530 |
| Chevalier, R. | Christie, R. W. |
| 86-002014 | 86-001237 |
| Chevassus, B. | Christmas, J. Y. III |
| 86-002045 | 86-001338 |
| Chevelya, V. I. | Christofferson, J. P. |
| 86-003774 | 86-000659 |
| Cheverie, J. C. | Christophersen, N. |
| 86-001450 | 86-003637 |
| Chiba, K. | Chubb, C. F. |
| 86-004649 | 86-002814 |
| Chiba, M. | Chubb, J. C. |
| 86-000988 | 86-003003 |
| Chien, C. | Chui, J. C. |
| 86-005019 | 86-003094 |
| Chikhachev, A. S. | Chui, Y. C. |
| 86-001289 | 86-000989 |
| Chikhacheva, V. P. | Chun, A. |
| 86-001630 | 86-004574 |
| Chikuni, S. | Chun, S. |
| 86-005628 | 86-001798 |
| Chilcote, M. W. | 86-003422 |
| 86-004271 | Chun, S. K. |
| 86-004668 | 86-002953 |
| Childers, W. F. | 86-003024 |
| 86-001542 | 86-005329 |
| 86-003306 | Chung, K. S. |
| Chilton, D. E. | 86-001411 |
| 86-004629 | Chung, S. |
| Chin, H. G. | 86-004448 |
| 86-000531 | Chupilko, S. V. |
| Chingjiang, W. | 86-003042 |
| 86-004101 | Church, D. |
| | 86-000649 |

Chybowski, L.
 86-003245
 Ciccerello, R. R.
 86-000755
 86-001722
 Ciepielewski, W.
 86-002710
 Cipriano, R. C.
 86-000866
 86-000867
 86-004955
 86-004997
 Circa, A. V.
 86-003412
 86-003413
 86-003426
 86-003427
 86-003528
 86-005228
 Cirkovic, M.
 86-005029
 Claiborne, J. B.
 86-002326
 86-002327
 86-002328
 86-002533
 Claridge, P. N.
 86-000520
 86-002845
 Clark, B.
 86-001412
 Clark, C. R.
 86-000223
 Clark, E. R.
 86-001285
 Clark, J.
 86-002329
 86-003855
 Clark, J. B.
 86-004519
 Clark, M. R.
 86-000660
 86-000661
 Clark, R. A.
 86-001179
 Clark, R. D., Jr.
 86-003223
 86-005444
 Clark, S. H.
 86-005667
 Clark, W. G.
 86-001044
 Clark, W. H., Jr.
 86-000221
 86-003443
 Clarke, J. R.
 86-002680
 Clarke, M. R.
 86-003266
 86-005493
 Clarke, W. C.
 86-002456
 Claussen, J. E.
 86-004137
 Cleland, C. E.
 86-001144
 Clem, L. W.
 86-002169
 86-002307
 86-003856
 Cleveland, L.
 86-001884
 86-003107
 86-005241
 Clifton-Hadley, R. S.
 86-005027

Cloutman, D. G.
 86-004672
 86-004717
 Clugston, J. P.
 86-003236
 Coad, B. W.
 86-000155
 86-002846
 Coates, D.
 86-001994
 Coats, J. R.
 86-003092
 Coats, R. E., Jr.
 86-003431
 Cobb, E. S.
 86-003207
 Cobb, J. S.
 86-004610
 Coble, D.
 86-001228
 Coble, D. W.
 86-001189
 86-003294
 Coburn, M. M.
 86-001356
 86-001357
 86-001765
 86-001766
 86-002228
 Coche, A. G.
 86-000007
 86-002022
 86-002024
 86-003377
 Cochnauer, T. G.
 86-004673
 Cochran, B. C.
 86-000310
 Cochran, P. A.
 86-001633
 86-004495
 86-004496
 86-004497
 Cochran, R. C.
 86-000224
 Cochrane, K. L.
 86-004169
 Coelho, M. M.
 86-001767
 Coffee, S. K.
 86-004574
 Cohen, A. H.
 86-000263
 86-002330
 Cohen, D. M.
 86-002909
 86-004674
 86-004783
 86-004804
 86-004805
 Cohen, J. L.
 86-003719
 Cole, B. A.
 86-002074
 Cole, C. F.
 86-004324
 Coleman, R. M.
 86-000600
 Coler, R. A.
 86-005215
 Coles, T. F.
 86-002711
 Colesante, R. T.
 86-002133
 Coley, T. C.
 86-004709

Colgan, P. W.
 86-000658
 86-002777
 Colin, D. A.
 86-001416
 86-001890
 Colin, J. A.
 86-003008
 Colin, P. L.
 86-001632
 86-004217
 86-004377
 86-004399
 Collares-Pereira, M. J.
 86-002588
 Collette, B. B.
 86-000521
 86-002712
 86-004806
 86-004807
 86-004808
 Collie, N. L.
 86-002331
 Collier, T. K.
 86-005242
 Collins, H. L.
 86-000662
 Collins, K. D.
 86-005382
 Collins, M. R.
 86-000522
 86-000523
 86-000843
 Collins, R. A.
 86-000768
 Collins, R. O.
 86-001835
 Collivin, L.
 86-001885
 86-001886
 Colorni, A.
 86-001812
 Colquhoun, J. R.
 86-005243
 Colt, J.
 86-000910
 Colton, J.
 86-000089
 86-003592
 Colura, R. L.
 86-002080
 86-002125
 Colvocoresses, J. A.
 86-002847
 Combs, D. L.
 86-005445
 Compagno, L. J. V.
 86-004733
 Comparini, A.
 86-004100
 Campean Jimenez, G.
 86-004675
 Condrey, R. E.
 86-001607
 Cone, D. K.
 86-001413
 86-002926
 86-002984
 86-003009
 86-005089
 Conelly, T.
 86-005607
 Confer, J. L.
 86-001346
 Congleton, J. L.
 86-003267

Conlon, J. M.
 86-000225
 86-000226
 Conneely, J. J.
 86-002923
 Conover, D.
 86-005658
 Conover, D. O.
 86-000227
 86-003857
 Conover, R. J.
 86-004464
 Conquest, L. D.
 86-002163
 Conrad, R. H.
 86-000584
 Conroy, D. A.
 86-000844
 86-000868
 86-002924
 86-003858
 86-004983
 86-005090
 86-005091
 86-005150
 Conroy, G.
 86-000844
 86-003858
 86-005091
 86-005092
 86-005150
 Constantz, G. D.
 86-000601
 Conte, H.
 86-003495
 Conte, M.
 86-003496
 Conti, S.
 86-004440
 Conway, A. F.
 86-001227
 Cook, S. F.
 86-000041
 Cook, C. J.
 86-000776
 Cook, H.
 86-003901
 Cook, J. M.
 86-003497
 Cook, R. M.
 86-004315
 Cooley, D. E.
 86-003182
 Cooley, P.
 86-002035
 Coombs, C.
 86-004239
 Coon, J. C.
 86-002047
 Coon, N. C.
 86-003069
 Cooper, G. A.
 86-004663
 Cooper, J. J.
 86-004242
 Cooper, S. D.
 86-000663
 Cooper, V. A.
 86-003152
 Copeland, P. A.
 86-002332
 Copes, F.
 86-001228
 Copes, F. A.
 86-001222

Copland, J.
 86-002992
 Copp, D. H.
 86-002558
 86-004068
 Coppes, Z.
 86-003859
 Coppola, P.
 86-002352
 Corbett, B. W.
 86-004393
 Corbin, J. S.
 86-002025
 Corcobado, M. J. R.
 86-004992
 Corley, S. O.
 86-001189
 Corliss, T. L.
 86-002201
 Cormier, S. M.
 86-005093
 Corneillie, S.
 86-002419
 Cornelius, S. D.
 86-001080
 Cornell, J. H.
 86-002059
 86-002834
 86-003218
 Cornett, R. J.
 86-003618
 Cornish, D. A.
 86-002333
 Cornish, I. M. E.
 86-001887
 Corradini, L.
 86-005100
 Corrigan, A.
 86-002420
 Corsi, F.
 86-005494
 Cortesi, P.
 86-003852
 Corti, A.
 86-003860
 Cossarini-Dunier, M.
 86-000845
 86-002944
 Cossins, A. R.
 86-002457
 Costa-Pierce, B. A.
 86-000028
 86-000029
 Costantini, F.
 86-003373
 Cote, Y.
 86-002881
 Cotelli, F.
 86-004170
 Couch, J. A.
 86-001792
 86-005244
 Couchman, W.
 86-001396
 Coughlan, D. J.
 86-003095
 Courtenay, S. C.
 86-001634
 Courtenay, W. R., Jr.
 86-000792
 86-003237
 86-003240
 86-003241
 Courtney, L. A.
 86-005244

Courtois, F.
 86-003423
 Courtois, R.
 86-004498
 Cousin, J. C. B.
 86-002113
 Coves, D.
 86-003487
 Covich, A. P.
 86-004609
 Cowan, J. H., Jr.
 86-004243
 Cowen, R. K.
 86-004244
 86-004499
 Cowey, C. B.
 86-000084
 86-000429
 86-003532
 86-003539
 Cowx, I. G.
 86-002848
 Cox, D. L.
 86-002439
 Cox, J. L.
 86-002213
 Cox, K. A.
 86-002385
 Cox, M.
 86-002634
 Coyer, J. A.
 86-000673
 Crabtree, R. E.
 86-002842
 Cragg-Hine, D.
 86-005587
 Craig, J.
 86-002319
 Craig, J. F.
 86-001160
 86-001164
 86-004316
 86-004630
 86-005495
 Craig, P.
 86-005701
 Craig, P. C.
 86-000567
 Craig, R. E.
 86-005696
 Craik, J. C. A.
 86-002334
 Crampton, V. O.
 86-003540
 Crance, J. H.
 86-000524
 Crane, J. S.
 86-002925
 Crateau, E. J.
 86-000563
 Cravedi, J.
 86-001888
 Cravedi, J. P.
 86-001889
 Crawford, B.
 86-004668
 Crawford, C. M.
 86-003694
 Crawford, G.
 86-000968
 Crawford, J. D.
 86-004171
 Crawford, R. J. M.
 86-005357
 Crawford, S. S.
 86-004665

- Crawshaw, L. I.
 86-000308
 86-001463
 Crear, D.
 86-002075
 Crecco, V.
 86-005544
 Crecco, V. A.
 86-000793
 86-001255
 86-002713
 Creed, R. P., Jr.
 86-001582
 Crespo Leon, J.
 86-005642
 Crespo, S.
 86-001890
 86-005245
 Cribb, T. H.
 86-001830
 Criddle, R. S.
 86-003822
 86-003823
 Crin, L. W.
 86-002562
 Cripe, G. M.
 86-001903
 Cripps, M. C.
 86-003030
 Crisafi, E.
 86-004965
 Crisp, D. T.
 86-005383
 Cristiani, G.
 86-003497
 Crites, J. L.
 86-003029
 Crocker, P. A.
 86-002114
 Croder, L. B.
 86-000800
 Croft, M.
 86-002332
 Cronin, L. E.
 86-005621
 Crosa, J. H.
 86-000862
 86-002939
 Crosby, D. G.
 86-003116
 Cross, B. A.
 86-000584
 Cross, J. N.
 86-000911
 Crossland, N. O.
 86-000990
 Crouse-Eisnor, R. A.
 86-001413
 Crowder, L. B.
 86-001221
 86-004500
 86-004536
 Crowe, A.
 86-003183
 Crowell, J. B., Jr.
 86-005341
 Crowley, L. E. L. M.
 86-003695
 86-004394
 Crier, W. W.
 86-001661
 86-002335
 86-002589
 Crumpton, J. E.
 86-001159
- ..CONTINUED
 Crumpton, J. E.
 86-001162
 86-001240
 Crutchfield, J. A.
 86-003171
 Cruz, E. M.
 86-003541
 86-003542
 86-003543
 Cruz, E. R.
 86-005246
 Cruz, J. M.
 86-004956
 Cryer, A.
 86-001029
 86-005159
 Cryer, M.
 86-002806
 Csanyi, V.
 86-000447
 86-002606
 86-002635
 86-004102
 Cserr, H. F.
 86-002336
 Cserr, R.
 86-002336
 Csontos, L.
 86-000894
 Cuadrado, M. I.
 86-003696
 Culley, D. D.
 86-002963
 Cullis, K. I.
 86-002205
 Cumararatunga, P. R. T.
 86-003577
 Cummins, K. W.
 86-005421
 Cunjak, R. A.
 86-003861
 86-004245
 Cunningham, C. R.
 86-001160
 Cunningham, D. E.
 86-001358
 Cunningham, G. L.
 86-003862
 Cunningham, J. E. R.
 86-000131
 86-001359
 Currie, D. J.
 86-003652
 86-003653
 Currier, W.
 86-003213
 Curtis, L. R.
 86-001920
 86-002337
 Curtis, M. A.
 86-005078
 Curtis, T. A.
 86-001237
 Curtis, W. S.
 86-002338
 86-002423
 Cusack, R.
 86-002926
 Cushman, R. M.
 86-001081
 Cusimano, R. F.
 86-005247
 Cutler, S.
 86-005582
 Cutter, G.
 86-005205

Cyr, D. G.
 86-002393
 Czeczuga, B.
 86-002339
 D'Amelio, V.
 86-001309
 86-004025
 D'Angelo, D. J.
 86-000602
 D'Autouil, R. R.
 86-000776
 D'Avanzo, C.
 86-004613
 D'Elia, C. F.
 86-003654
 D'Suze, G.
 86-002353
 D'yakonov, Y. N.
 86-002340
 da Silva Nobre, M. I.
 86-003464
 Da Silva, J.
 86-000665
 Daborn, G. R.
 86-005384
 Dabrowska, H.
 86-001891
 86-005248
 Dabrowski, K.
 86-000664
 86-001316
 86-001416
 86-002134
 86-003555
 86-003574
 86-003863
 86-003864
 86-004154
 Dabrowski, K. R.
 86-000065
 86-000066
 86-001414
 86-001415
 Dadswell, M. J.
 86-003020
 86-004201
 86-005384
 Dale, G.
 86-002611
 86-002636
 86-002660
 Dale, V. H.
 86-002886
 Dalen, J.
 86-005697
 Dalesio, P. M.
 86-000236
 86-002494
 Dalforino, S.
 86-005100
 Dalsgaard, I.
 86-004957
 Dalton, P.
 86-003211
 Daly, J. G.
 86-000869
 86-004958
 Dalzell, P.
 86-000603
 Dalzell, P. J.
 86-002704
 Damaiso, L.
 86-003546
 Danaher, M. J.
 86-003321
 Dange, A. D.
 86-002341
 Daniels, R. A.
 86-003314
 Daniels, W. H.
 86-002135
 Danil'chenko, O. P.
 86-005298
 Danko, I.
 86-005278
 Danulat, E.
 86-002342
 Danzmann, R. G.
 86-002590
 86-002592
 Daculas, C.
 86-002229
 Daoust, P. Y.
 86-000870
 86-003064
 86-005094
 Dares, I.
 86-002769
 Dark, T. A.
 86-001618
 86-002001
 Darnitskiy, V. B.
 86-000794
 Das Neves Falcao, J.
 86-001529
 Das, K.
 86-000228
 Dashow, L.
 86-000229
 Datta Munshi, J. S.
 86-003757
 Datta, N. C.
 86-003384
 Dauble, D. D.
 86-001876
 86-003268
 Dautrey, R.
 86-004443
 Davalli, P.
 86-003860
 Davenport, J.
 86-002343
 86-002344
 86-002345
 86-002637
 86-003697
 David, M. B.
 86-005163
 David, R. E.
 86-004126
 Davidson, J. R.
 86-005659
 Davidson, W. S.
 86-001527
 86-003914
 86-004012
 Davie, P. S.
 86-001417
 86-002563
 86-004070
 Davies, B. R.
 86-005588
 Davies, P. E.
 86-000991
 86-001892
 86-001893
 86-001894
 Davies, P. L.
 86-004146
 Davies, P. R.
 86-002076

.CONTINUED
 Davies, P. R.
 86-002346
 86-002347
 Davies, R. W.
 86-004472
 86-004938
 Davies, W. D.
 86-005455
 Davis, B. M.
 86-004696
 Davis, G. E.
 86-004676
 Davis, J. F.
 86-002945
 Davis, J. T.
 86-003424
 Davis, J. W.
 86-005385
 Davis, K. B.
 86-000230
 86-000231
 86-002171
 86-003590
 Davis, M. S.
 86-000232
 Davis, P. E.
 86-004631
 Davis, R. W.
 86-003038
 Davison, W.
 86-002563
 86-002638
 86-002849
 Dawe, D. L.
 86-002978
 Dawley, R. M.
 86-000449
 Dawson, C. P.
 86-001145
 Dawson, D. C.
 86-002552
 86-003093
 Dawson, V. K.
 86-003166
 86-003628
 86-005332
 Dawson, W. A.
 86-002747
 Daxboeck, C.
 86-000354
 86-001488
 86-002349
 86-004048
 Day, J. R.
 86-000404
 De Abreu Machado, P. E.
 86-004132
 86-004133
 De Almeida-Val, V. M. F.
 86-002550
 De Bernardi, R.
 86-004501
 De Buron, I.
 86-005095
 Crosta, M. A.
 86-004632
 Elquezabal, E.
 86-001707
 Gonzo, G. M.
 86-001705
 Haas, M. J. H.
 86-000303
 la Higuera, M.
 86-001286
 86-001500

De la Hoz, E.
 86-002230
 De la Noue, J.
 86-000233
 De Lafontaine, Y.
 86-004809
 De Leeuw, R.
 86-000234
 86-001418
 86-003865
 86-003900
 86-003901
 De Montalembert, G.
 86-003400
 86-003448
 De Moore, F. C.
 86-004502
 De Nie, H. W.
 86-000679
 De Oliva Teles, A.
 86-000073
 De Pinto, J. V.
 86-003629
 De Reyes, F.
 86-001286
 De Rosler, T.
 86-000394
 De Silva, C. D.
 86-003866
 De Silva, S. S.
 86-001315
 de Sostoa, A.
 86-004349
 De Souza, W.
 86-000174
 De Sylva, D. P.
 86-004810
 86-004811
 86-004812
 De Vries, U.
 86-002275
 86-004029
 De Young, B. R.
 86-001082
 De Zio, V.
 86-003403
 De Zjaria, S. C.
 86-001705
 De, J. K.
 86-000477
 De, U. K.
 86-000009
 Deacon, J. E.
 86-000792
 86-001934
 Dean, H. J.
 86-005243
 Dean, J. C.
 86-002815
 Dean, J. M.
 86-000741
 Deboe, S. F.
 86-005536
 DeBoer, J. A.
 86-002114
 DeBont, A. F.
 86-004486
 Dechtiar, A. O.
 86-000920
 86-005079
 86-005089
 Declair, W.
 86-002553
 DeCrosta, M. A.
 86-004574

AUTHOR INDEX

Dederen, L. H. T.
 86-002691
 Deftos, L. J.
 86-002385
 Degani, G.
 86-000132
 86-000235
 86-001419
 86-002136
 86-002137
 86-002348
 86-003425
 86-003867
 86-004981
 Degnan, K. J.
 86-002466
 Deguchi, Y.
 86-000396
 Dehapiot, T.
 86-002150
 Dehn, P. F.
 86-003869
 Dehnstadt, J. M.
 86-002860
 86-004677
 86-004678
 86-005468
 Dekhnik, T. V.
 86-002714
 Del Mar Medina-Puerta, M.
 86-001420
 dela Cruz, C. R.
 86-003426
 86-003427
 dela Cruz, R. C.
 86-003462
 86-003463
 86-003573
 Delamarre, P.
 86-005249
 Delamore, M.
 86-004423
 Delitala, G. M.
 86-004447
 Dell, M. B.
 86-004392
 Della Seta, G.
 86-004285
 Dellenbarger, L. E.
 86-002077
 DeLuze, A.
 86-002500
 Delventhal, H.
 86-002987
 Demars, J. J.
 86-005496
 DeMartini, E. E.
 86-000478
 86-000666
 Dembinski, W.
 86-003245
 Demina, T. V.
 86-000568
 Dempson, J. B.
 86-001553
 86-001712
 86-004729
 86-005546
 Demshin, N. I.
 86-001831
 Demshin, N. I.
 86-000846
 Demski, L. S.
 86-000270
 86-001424
 Demuth, R. E.
 86-000790
 Dendrinis, P.
 86-000237
 Deniel, C.
 86-004726
 Denisdonini, S.
 86-004170
 Deniso, R.
 86-005545
 Denner, M. W.
 86-002921
 Dennis, S. D.
 86-005177
 Denoncourt, R. F.
 86-002715
 86-004679
 Denuce, J. M.
 86-003951
 DeQuine, J. F.
 86-003172
 Deriso, R. B.
 86-001269
 86-002734
 Dermott, R. M.
 86-004680
 Descamps, B.
 86-003428
 Desortova, B.
 86-003674
 Desportes, D.
 86-003527
 Desrosiers, G.
 86-000746
 Desser, S. S.
 86-000889
 86-000890
 Dethlefsen, V.
 86-000945
 86-005152
 Dettlaff, J.
 86-003954
 Deuter, A.
 86-002989
 Devadoss, P.
 86-001256
 Devauchelle, N.
 86-003498
 86-003499
 DeVault, D. S.
 86-003059
 Devilliers, G.
 86-005357
 Devitsyna, G. V.
 86-000222
 Devlin, R. H.
 86-004158
 DeVries, A. L.
 86-001510
 Dewaele, P.
 86-003391
 86-005470
 Dewavrin, G.
 86-002138
 Dewees, C. M.
 86-005629
 Dexter, W. D.
 86-001045
 Dey, R. K.
 86-001804
 Dgebaudze, Y. Y.
 86-000127
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- .CONTINUED..
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European Aquaculture Soc.
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 Hirano, Reijiro
 86-000152
 Hirano, S.
 86-001508
 Hirano, T.
 86-002308
 86-003909
 86-003982
 Hirata, H.
 86-005269
 Hirata, M.
 86-003931
 Hirata, T.
 86-000405
 86-002541
 Hiroi, O.
 86-005045
 Hirono, T.
 86-002463

.. CONTINUED ..
 Hirono, T.
 86-003963
 Hirsch, R. W.
 86-002035
 Hirschberger, W.
 86-005625
 Hirt di Kunkel, L. M.
 86-003922
 Hisadome, T.
 86-005269
 Hisai, T.
 86-003931
 Hites, R. A.
 86-003070
 Hixon, M. A.
 86-001091
 Hlohowsky, I.
 86-002645
 Hlohowskyj, I.
 86-000268
 86-001444
 86-001882
 86-002766
 Ho, B.
 86-000871
 Ho, L.
 86-005013
 Haag, S. H.
 86-002734
 Hobbie, J. E.
 86-002201
 Hobson, E. S.
 86-001749
 86-004340
 Hochachka, P. W.
 86-001515
 86-002356
 86-003819
 86-004048
 Hovutt, C. H.
 86-000151
 86-000762
 86-002595
 Hodgins, H. O.
 86-005186
 Hodgkinson, P.
 86-000095
 Hodson, P. V.
 86-000992
 86-005270
 Hodson, R. E.
 86-004064
 Hoekstra, D.
 86-001445
 Hoese, D. F.
 86-004837
 86-004838
 86-004839
 86-004840
 Hoey, J. J.
 86-001141
 Hofe, E. V.
 86-003110
 Hofer, R.
 86-000068
 86-000071
 86-002527
 86-003550
 86-003579
 86-004521
 Hoffman, G. L.
 86-000917
 86-004923
 Hoffman, S. G.
 86-000488

fffmann, R.
 86-003018
 86-003019
 fffmann, R. W.
 86-005105
 gans, W. E.
 86-000918
 86-003020
 86-005106
 hreiter, D. W.
 86-001446
 kama, Y.
 86-005275
 kanson, K. E. F.
 86-001001
 86-003437
 lbrook, S. J.
 86-000673
 86-004522
 lck, J.
 86-004327
 86-005475
 lden
 86-005647
 lden, M. A.
 86-002403
 86-002404
 ldway, D. A.
 86-001905
 86-005271
 86-005272
 lladay, L. A.
 86-002405
 lland L. E.
 86-005392
 lland, D. L.
 86-003120
 lland, K.
 86-005702
 lland, L.
 86-000542
 lland, L. E.
 86-004453
 llander, R. R.
 86-001369
 llebecq, M. G.
 86-004113
 lleboom, M. A.
 86-001708
 llerman, W. D.
 86-005611
 lliday, C. W.
 86-003021
 lliman, A.
 86-002931
 86-005107
 lloway, H. L., Jr.
 86-002930
 llowed, A. B.
 86-002003
 lm, J. C.
 86-003394
 86-003551
 lm, K. O.
 86-004967
 lm, M.
 86-004180
 86-004191
 lmes, R.
 86-005593
 lmes, R. A.
 86-001149
 lmgren, S.
 86-000282
 86-003955

Holopaines, I. J.
 86-001447
 86-001613
 86-005612
 Holopaines, I. J.
 86-000277
 Hols, H.
 86-002387
 Holt, G. J.
 86-000610
 Holt, J. D.
 86-002114
 Holt, R.
 86-002027
 Holt, R. A.
 86-005025
 86-005032
 Holt, S. A.
 86-000610
 Holtby, L. B.
 86-005390
 Holts, D.
 86-005428
 Holtzman, S.
 86-000269
 Honda, A.
 86-004968
 86-004969
 86-004977
 Honda, H.
 86-004523
 Honda, K.
 86-005172
 Hong, S. W.
 86-005052
 Hongkan, G.
 86-005191
 Honma, M.
 86-003408
 Hontoria, F.
 86-000080
 Hood, K.
 86-001403
 Hooe, M.
 86-002584
 Hooe, M. L.
 86-002813
 Hop, H.
 86-004441
 Hopkins, C. O.
 86-004171
 Hopkins, D. L.
 86-001009
 86-003128
 Hopkins, M. L.
 86-000054
 Hori, M.
 86-004529
 Horiguchi, Y.
 86-004061
 Horikawa, H.
 86-000763
 Horita, Y.
 86-002950
 Horn, B.
 86-003190
 Horn, M. H.
 86-004467
 86-004841
 Hornbeck, J. W.
 86-005160
 Hornby, P. J.
 86-000270
 Horne, M. T.
 86-001803

CONTINUED

Horne, M. T.
 86-005016
 Hornung, T.
 86-000542
 Horowitz, S. A.
 86-003033
 Horsemán, L. O.
 86-000950
 Horsemán, N. D.
 86-002651
 Horstgen-Schwark, G.
 86-002583
 86-002593
 Horton, H. F.
 86-001701
 Horton, J. L.
 86-005350
 Hoshi, T.
 86-003941
 Hosokawa, H.
 86-001321
 Hossain, A.
 86-000271
 86-001906
 Hossain, M.
 86-002167
 Hou, E. H.
 86-001180
 Houde, E. D.
 86-004842
 86-004843
 Houdeline, L.
 86-001528
 Hough, D. J.
 86-005734
 Houghton, J. P.
 86-004695
 86-005535
 Houghton, R. G.
 86-004404
 Houlahan, D. F.
 86-003923
 Hourigan, T. F.
 86-001559
 House, R. A.
 86-003191
 Houston, A. H.
 86-000272
 Hovanec, T. A.
 86-001052
 Hovens, J. P. C.
 86-003085
 Howe, K. M.
 86-004907
 Howell, B. R.
 86-002108
 Howell, W. M.
 86-003743
 Howes, G. J.
 86-002898
 Howey, R. G.
 86-001307
 Howick, G. L.
 86-002199
 Hoyle, J.
 86-002406
 Hrbacek, J.
 86-003674
 Hsiao, S.
 86-000611
 Hsu
 86-005448
 Hsu, T. C.
 86-004970
 86-005007

..CONTINUED ..

Hsu, T. C.
 86-005015
 Hsu, Y.
 86-005053
 Huang, K. C.
 86-002293
 Huang, M.
 86-000427
 Huang, S.
 86-005013
 Huang, Y.
 86-001860
 Hubbs, C.
 86-000273
 86-002721
 Huber, H. R.
 86-004478
 Hubert, W. A.
 86-000536
 86-001092
 86-002799
 86-002880
 86-003226
 86-004588
 Hubold, G.
 86-004260
 Hubschman, J. H.
 86-001838
 Hudd, R.
 86-000578
 86-005679
 Hudson, E. B.
 86-002931
 Hudson, P. L.
 86-004696
 Hudy, M.
 86-001183
 86-001249
 Hueckel, G. J.
 86-001074
 86-003192
 Huelvan, C.
 86-002150
 Huez, H. E.
 86-002154
 Huggins, E. M., Jr.
 86-000260
 Hughes, A. L.
 86-000612
 86-001696
 86-002819
 Hughes, D. G.
 86-002154
 Hughes, G. H.
 86-002243
 Hughes, G. M.
 86-002407
 86-002733
 86-003724
 86-003725
 86-003924
 Hughes, G. W.
 86-002857
 86-004697
 86-004721
 Hughes, K.
 86-002400
 Hughes, M. J.
 86-002820
 Hughes, S. G.
 86-001335
 Huguenin, J. E.
 86-002119
 Huh, S.
 86-000674

Harnham, A
 86-005575
 Haskamp, R.
 86-000356
 Hazinga, H W
 86-002941
 Hijkawa, Y
 86-005557
 Hujita, M
 86-000434
 Hulbert, P J
 86-001963
 Hull, V.
 86-004285
 Hulley, P. A
 86-004844
 Hulsman, P F
 86-004554
 Humbert, W
 86-003925
 86-003938
 Hume, J. M.
 86-004571
 Hume, J M. B.
 86-005525
 Humphrey, J. D.
 86-001819
 86-002992
 86-005056
 Humphreys, R L., Jr.
 86-005273
 86-005648
 Humphries, J. M.
 86-004114
 Hung, S. S. O.
 86-002152
 Hunn, J. B
 86-000274
 86-002920
 86-005241
 Hunt, D.
 86-003358
 Hunt, J J.
 86-003799
 Hunt, R. L
 86-001242
 86-003193
 Hunt, S
 86-003926
 Hunt, T. C.
 86-002408
 Hunter, G. A.
 86-002050
 Hunter, J.
 86-000489
 Hunter, J. R.
 86-000275
 86-003506
 86-004237
 Hunter, M. A.
 86-002763
 Hunter, M. L., Jr
 86-000951
 86-001750
 86-004524
 Hunter, R. J.
 86-001236
 Huntingford, F. A
 86-000481
 Hunziker, R. E. III
 86-000096
 86-000097
 86-000098
 86-002174
 86-003596
 Huppopp, K.
 86-004156
 Hureau, J
 86-004743
 Huriaux, F
 86-000276
 Hurlbert, S. H
 86-004525
 Hurly, T A
 86-001609
 Huschenbeth, E
 86-005173
 86-005174
 Huse, I
 86-002101
 Hussain, M. S. M S
 86-000675
 Hussain, N A.
 86-002289
 Hussey, C G.
 86-001839
 Huston, M.
 86-000542
 Hutchings, J A.
 86-000537
 86-000613
 86-002476
 86-002477
 86-004454
 Hutchins, B
 86-004792
 Hutchinson, N J.
 86-001915
 86-005274
 Hutchison, V H.
 86-000197
 Hutson, D. H.
 86-005252
 Hutzinger, O.
 86-000959
 86-005167
 Huxley, R.
 86-003120
 Huybrechts, L
 86-003944
 Huyseune, A.
 86-003726
 86-003727
 Hvidsten, N. A
 86-001949
 Hwang, H
 86-004064
 Hwang, P. P.
 86-000152
 Hyam, D.
 86-002562
 Hyatt, A D.
 86-005056
 Hyatt, W. H.
 86-000974
 Hyde, L. L.
 86-000404
 Hynynen, J.
 86-000954
 Hyslop, E. J.
 86-002781
 Hyvarinen, H.
 86-000277
 86-001447
 86-005612
 Ibara, R. M.
 86-002646
 Ichikawa, T.
 86-004077
 Ichiooka, K.
 86-004051

AUTHOR INDEX

- Idler, O. R.
 86-000391
 86-002545
 86-002566
 86-005306
 Ievleva, M. Y.
 86-002409
 Iga, T.
 86-002410
 Igarashi, M.
 86-001454
 Igumnova, I. V.
 86-002244
 Ihssen, P. E.
 86-002605
 Ihssen, R. E.
 86-004138
 Iida, H.
 86-001370
 Iida, M.
 86-004987
 Iida, T.
 86-004971
 Iijima, N.
 86-003932
 Iizawa, M.
 85-004526
 Ijima, N.
 86-001454
 Ijiri, K.
 86-000461
 Ikeda, M.
 86-001448
 Ikeda, S.
 86-000411
 86-000434
 86-001483
 86-001484
 86-004027
 Ikeda, Y.
 86-000248
 86-000249
 86-000250
 86-001002
 86-002264
 86-003162
 86-003163
 86-003164
 Ikenaga, Y.
 86-002618
 Ikeya, F.
 86-005064
 Ikonen, E.
 86-005484
 86-005677
 86-005678
 86-005679
 Ikuno, Y.
 86-001449
 86-002256
 86-002460
 86-003963
 Ikuta, K.
 86-005175
 Il'in, B. V.
 86-005703
 86-005704
 Illing
 86-005446
 Illinois Natural History Survey
 86-001957
 Inada, Y.
 86-002617
 Inamura, H.
 86-003105
 Inbaraj, R. M.
 86-003105
 Incze, L.
 86-004756
 Infante, O.
 86-004527
 Ingebrigtsen, K.
 86-001907
 Ingham, M. C.
 86-003317
 Ingraham, W. J., Jr.
 86-004757
 Innes, A. J.
 86-000278
 Inoue, K.
 86-005054
 86-005064
 86-005070
 Inoue, M.
 86-001038
 86-001039
 86-003257
 Inoue, S.
 86-002411
 86-002431
 Inoue, Y.
 86-001654
 86-002411
 86-002431
 86-002647
 Inskip, P. D.
 86-000538
 International Council for
 of the Sea
 86-001969
 International Council for
 Exploration of the Sea
 86-001265
 86-001614
 86-001861
 86-002005
 86-003068
 86-005176
 86-005649
 International Pacific Hal
 Commission
 86-001066
 Inui, Y.
 86-000279
 86-002471
 Ionas, V. A.
 86-005501
 Ippolito, D. F.
 86-000976
 86-004192
 Iriarte, L. M.
 86-005650
 Irie, T.
 86-000638
 Irlon, W.
 86-000750
 86-001628
 Irvine, J. R.
 86-001655
 Irwin, J.
 86-004249
 Isala, J.
 86-000252
 Isakson, J. S.
 86-004695
 Isani, G.
 86-003852
 Isbrucker, I. J. H.

Ishak, M. M.
 86-002081
 86-003285
 Ishida, K.
 86-005557
 Ishida, T.
 86-004517
 Ishida, Y.
 86-000494
 86-001511
 86-002722
 Ishihara, T.
 86-000262
 Ishii, T.
 86-005001
 Ishimatsu, A.
 86-002384
 86-002412
 Isoda, M.
 86-002950
 86-005071
 Isom, B. G.
 86-005177
 Israel, G.
 86-003738
 Istvanovics, V.
 86-003641
 Itazawa, Y.
 86-000168
 Ito, B. M.
 86-005275
 Ito, H.
 86-001700
 86-002262
 86-002829
 86-002830
 86-003728
 Itoh, A.
 86-000081
 Itoh, S.
 86-005132
 Itoh, Y.
 86-000434
 Itzkowitz, M.
 86-004405
 Iuchi, I.
 86-002255
 Ivanstoffs, W.
 86-004846
 Ivantsoff, W.
 86-003695
 86-004394
 86-004724
 86-004845
 86-004882
 86-004883
 Iwado, T.
 86-005014
 Iwai, T.
 86-000290
 Iwama, G. K.
 86-002310
 86-002949
 Iwamatsu, T.
 86-003991
 Iwamori, M.
 86-002255
 Iwamoto, M.
 86-002413
 Iwamoto, R. N.
 86-000078
 Iwamoto, T.
 86-004847
 86-004848
 Iwaoka, W. T.
 86-002144

Iwasa, Y.
 86-004341
 Iwata, A.
 86-001371
 86-003729
 86-004849
 Iwata, M.
 86-000280
 86-001371
 Izawa, H.
 86-004929
 86-004968
 86-004969
 86-004977
 86-004978
 Izumi, T.
 86-002438
 Jackling, S. J.
 86-005187
 Jacknow, J.
 86-000993
 86-003069
 Jackson, A. J.
 86-003582
 Jackson, D. C.
 86-001093
 Jackson, P. D.
 86-004667
 Jackson, R. V.
 86-003210
 Jackson, S. D.
 86-004760
 Jacobs, D.
 86-003329
 Jacobson, L. D.
 86-001534
 Jacobson, M. E.
 86-001134
 Jacobson, P. C.
 86-001224
 Jacobson, R.
 86-000542
 Jacobson, R. A.
 86-001516
 Jacobsson, A.
 86-005178
 Jaeger, C. B.
 86-002414
 Jaeger, J.
 86-001751
 Jaffe, R.
 86-003070
 Jager, T.
 86-003395
 Jagoe, C. H.
 86-003065
 Jaime Garzon, F.
 86-004160
 Jakobsson, S.
 86-004177
 Jakupsstovu, H.
 86-005705
 Jalabert, U.
 86-003888
 Jan, P. T.
 86-003597
 James, M. O.
 86-005276
 James, P. S. B. R.
 86-000055
 86-000639
 James, P. W.
 86-002687
 James, V. A.
 86-005277

| | |
|--------------------|-----------------|
| 86-004760 | 86-000184 |
| Janecek, V. | 86-005108 |
| 86-003447 | 86-005312 |
| Jankowski, J. M. | Jensen, J. W. |
| 86-004103 | 86-000725 |
| Jankowsky, H. D. | 86-003258 |
| 86-001513 | 86-004342 |
| Janska, H. | Jessie, W. W. |
| 86-000281 | 86-001076 |
| Janssen, J. | 86-001077 |
| 86-000676 | 86-001094 |
| 86-001445 | Jessop, B. M. |
| Janzow, F. T. | 86-001971 |
| 86-000267 | Jessop, E. F. |
| Jarboe, H. H. | 86-000631 |
| 86-000896 | Jesswein, W. |
| Jarvik, A. | 86-003211 |
| 86-005651 | Jestin, J. M. |
| Jarvinen, O. | 86-004638 |
| 86-000952 | Jezierska, B. |
| 86-005190 | 86-000496 |
| Jastrzebski, Z. T. | 86-003396 |
| 86-005706 | Jiang Jianqiao |
| 86-005707 | 86-004123 |
| 86-005708 | Jiang, L. F. |
| Jauncey, K. | 86-003112 |
| 86-000072 | Jiangying, Z. |
| 86-002160 | 86-003022 |
| Jeet, S. | Jinhui, Q. |
| 86-004938 | 86-001846 |
| Jeffrey, J. E. | Jionghua, P. |
| 86-004639 | 86-001651 |
| Jeffrey, K. A. | Jiping, Y. |
| 86-003167 | 86-004875 |
| 86-005281 | Jiwei, S. |
| Jeffries, H. P. | 86-005109 |
| 86-000764 | Jo, Y. |
| Jelonek, M. | 86-001805 |
| 86-002821 | 86-001806 |
| Jeney, G. | 86-004985 |
| 86-005278 | 86-005020 |
| Jeney, Z. | Jobling, M. |
| 86-005278 | 86-002148 |
| Jenkins, G. P. | 86-002822 |
| 86-000640 | 86-003927 |
| Jenkins, R. L. | Joel, J. J. |
| 86-000099 | 86-000134 |
| Jenkins, R. M. | Joensen, J. E. |
| 86-005422 | 86-001908 |
| 86-005613 | Johal, M. S. |
| 86-005619 | 86-000779 |
| Jenkins, W. E. | Johansen, K. |
| 86-002099 | 86-002384 |
| Jennings, M. R. | 86-002412 |
| 86-004193 | 86-003658 |
| Jennings, T. R. | 86-003844 |
| 86-000014 | Johanson, P. H. |
| Jensen, A. | 86-000490 |
| 86-002209 | 86-000956 |
| Jensen, A. J. | 86-001560 |
| 86-004637 | 86-002656 |
| 86-005110 | Johansson |
| Jensen, A. L. | 86-005652 |
| 86-004535 | John, H. C. |
| 86-005553 | 86-003730 |
| Jensen, F. B. | Johns, D. H. |
| 86-002415 | 86-002187 |
| 86-002416 | Johnsen, B. O. |
| 86-002481 | 86-004637 |

Johnson, B. O.
86-005110
Johnson, P. B.
86-000476
86-001296
86-003524
Johnson, A. H.
86-005179
Johnson, B. A.
86-005351
Johnson, B. L.
86-001208
Johnson, C. M.
86-001803
Johnson, D. A.
86-005332
Johnson, D. L.
86-001336
86-003259
Johnson, D. W.
86-002120
Johnson, E. Z.
86-003731
Johnson, G. D.
86-004850
Johnson, H. E.
86-000919
Johnson, H. T.
86-004528
Johnson, J. E.
86-005476
Johnson, J. H.
86-001561
Johnson, K.
86-001050
Johnson, K. A.
86-002940
Johnson, M. C.
86-001808
Johnson, M. G.
86-005192
Johnson, O.
86-004138
Johnson, R. B.
86-003212
Johnson, R. K.
86-004851
86-004852
86-004853
Johnson, R. L.
86-003180
86-005694
Johnson, R. R.
86-001243
86-004204
Johnson, S.
86-005688
Johnson, S. L.
86-004972
Johnson, S. W.
86-005401
Johnson, W. E.
86-002685
Johnsrude, C. L.
86-001562
Johnston, C.
86-005582
Johnston, C. E.
86-001450
86-003732
Johnston, I. A.
86-000185
86-000283
86-000284
86-001397

Johnston, I. A.
86-001451
86-001452
86-002417
Johnston, J. D.
86-002292
Johnston, J. M.
86-000439
Johnstone, R.
86-000452
86-002376
86-004115
Joki-Heiskala, P.
86-000954
Jollie, M.
86-003733
Jones, A.
86-001840
Jones, B.
86-000034
Jones, B. E.
86-003299
Jones, C.
86-000727
86-002823
Jones, C. M.
86-000726
Jones, D. H.
86-004261
Jones, D. R.
86-000331
Jones, F. V.
86-002121
Jones, G.
86-000824
Jones, G. P.
86-002782
Jones, J.
86-001473
86-004249
Jones, J. B.
86-001725
86-001841
Jones, J. J.
86-000951
86-001750
86-004524
Jones, K. A.
86-001563
Jones, L. D.
86-003312
Jones, P.
86-004925
Jones, R. D.
86-005447
Jones, R. S.
86-004188
Jongeneel, R. P.
86-005197
Jonsson, B.
86-001673
86-004277
86-004462
Jordan, C. M.
86-005653
Jordan, D. R.
86-002723
Jorgen Pihl, N.
86-002129
Jorgensen, L.
86-003928
Jorgensen, P. E. V.
86-005060
Jorgensen, T.
86-004967

| | |
|------------------|-----------------------|
| Jory, D. E. | Kaitala, V. |
| 86-002783 | 86-005554 |
| Joshf, H. C. | Kaltaranta, J. K. |
| 86-005279 | 86-000315 |
| Joss, J. M. P. | Kajishima, T. |
| 86-000285 | 86-001540 |
| Jothy, A. A. | Kajiyama, H. |
| 86-004297 | 86-001321 |
| Jowett, I. G. | Kalat, M. |
| 86-001244 | 86-002603 |
| Jowko, G. | Kalels, M. |
| 86-003396 | 86-004767 |
| Joy, J. E. | Kalff, J. |
| 86-001842 | 86-003653 |
| Juario, J. V. | Kalikhman, I. L. |
| 86-003576 | 86-005709 |
| Jubb, R. A. | Kalishhevskaya, T. M. |
| 86-004698 | 86-000286 |
| 86-004699 | Kaliman, K. O. |
| 86-004854 | 86-000142 |
| Jubenville, A. | Kallqvist, T. |
| 86-005430 | 86-005161 |
| Juch, J. W. | Kalnim, V. V. |
| 86-003830 | 86-004343 |
| Jude, D. J. | Kalnin, V. V. |
| 86-000641 | 86-001535 |
| 86-004353 | Kalnina, O. V. |
| 86-005536 | 86-001535 |
| 86-005538 | 86-004343 |
| 86-005578 | Kamal, M. Y. |
| Judy, R. D., Jr. | 86-003035 |
| 86-001958 | Kamarf, J. |
| Juedes, M. J. | 86-000952 |
| 86-003113 | 86-000953 |
| Julien, M. | 86-000954 |
| 86-005683 | Kamilov, B. G. |
| Jurss, K. | 86-000728 |
| 86-002418 | Kaminski, C. |
| Jutilla, E. | 86-001384 |
| 86-005393 | Kamiso, H. N. |
| Jyoti Dhar, N. | 86-003023 |
| 86-000220 | Kamler, E. |
| Kaatra, K. | 86-003552 |
| 86-005576 | 86-003734 |
| Kabata, Z. | Kamlet, K. S. |
| 86-001794 | 86-003072 |
| 86-005033 | Kamysheva, T. P. |
| Kadlec, J. | 86-002245 |
| 86-001328 | 86-004455 |
| 86-002175 | Kanai, Y. |
| 86-003598 | 86-005055 |
| Kaeriyama, M. | 86-005063 |
| 86-003397 | Kanazawa, A. |
| 86-003398 | 86-002164 |
| 86-004262 | 86-003553 |
| Kagan, E. D. | 86-003554 |
| 86-001932 | Kanazawa, T. |
| Kagan, J. | 86-004946 |
| 86-001932 | Kane, A. S. |
| Kagawa, H. | 86-001336 |
| 86-000338 | Kane, D. A. |
| Kah, O. | 86-000943 |
| 86-000210 | Kaneda, T. |
| 86-002420 | 86-003910 |
| Kai, N. | Kanehiro, H. |
| 86-003071 | 86-001564 |
| 86-005180 | 86-001972 |
| Kalge, N. | 86-005508 |
| 86-001813 | Kaneko, T. |
| 86-004973 | 86-000614 |
| 86-004986 | Kanenaka, B. |
| 86-005034 | 86-005662 |
| Kaiser, K. L. E. | Kangur, M. |
| 86-000992 | 86-004406 |
| Kaisho, I. | Kanisch, G. |
| 86-001321 | 86-005166 |

Kanfisch, M.
 86-005166
 Kankova, J.
 86-002619
 86-002620
 86-002621
 Kanoh, S.
 86-000287
 86-000288
 Kao, M. H.
 86-003929
 Kaplan, A. Y.
 86-000289
 Kaplan, B. B.
 86-002598
 Kaplan, E. D.
 86-003043
 Kapuscinski, A. R. D.
 86-004116
 Kariya, H.
 86-002618
 Karlin, A. A.
 86-002908
 Karlsson-Norrgrén, L.
 86-001453
 86-001909
 86-001910
 86-003100
 Karmoskaya, E. S.
 86-002246
 Karnaky, K. J., Jr.
 86-002247
 Karpenko, E. A.
 86-005555
 Karpenko, V. I.
 86-002688
 Karpevich, A. F.
 86-000579
 Karr, J. R.
 86-004383
 Karrer, C.
 86-003730
 86-003735
 Karttunen, P.
 86-002421
 Kashimura, A.
 86-005654
 Kashino, R. K.
 86-004697
 Kashiwagi, M.
 86-000290
 Kashkin, N. I.
 86-005556
 Kashking, K. A.
 86-001585
 Kasumyan, A. D.
 86-002648
 Katano, Y.
 86-002540
 86-002541
 Kataoka, A.
 86-003071
 Katavic, I.
 86-002120
 Kato, F.
 86-002167
 Kato, K.
 86-001636
 86-004948
 Kato, T.
 86-003734
 Kato, W.
 86-005654
 Katsuyama, M.
 86-002463

. CONTINUED
 Katsuyama, M.
 86-003963
 Katz, A. H.
 86-003174
 Katz, H. M.
 86-003174
 Kauffman, J.
 86-001156
 Kaufman, L. S.
 86-004124
 Kaul, M.
 86-003438
 Kaushik, S. J.
 86-000065
 86-000073
 86-001316
 86-003538
 86-003555
 86-003864
 Kayumpurath, S.
 86-001464
 Kawaguchi, K.
 86-003736
 Kawaguchi, S.
 86-003364
 Kawahara, E.
 86-004974
 Kawai, K.
 86-004975
 Kawamoto, P.
 86-005655
 Kawanabe, H.
 86-004529
 Kawasaki, T.
 86-001637
 Kawatsu, H.
 86-003930
 86-004023
 Kawauchi, H.
 86-002308
 86-003909
 Kay, J.
 86-001029
 86-005159
 Kayama, M.
 86-001454
 86-003931
 86-003932
 Kayes, T. B.
 86-000318
 86-001337
 86-002754
 86-003436
 Kayton, R. J.
 86-001843
 Kazakov, R.
 86-004344
 Kazanskiy, A. B.
 86-003273
 Kearns, G. C.
 86-003050
 86-005111
 Keast, A.
 86-000729
 86-001697
 Keast, J. A.
 86-001694
 Keats, D. W.
 86-000615
 Keefe, T. J.
 86-001364
 Keegan-Rogers, V.
 86-001536
 86-001638
 Keembiyahetty, C. N.
 86-003866

AUTHOR INDEX

Keene, H. J.
86-004855
Keenleyside, M. H. A.
86-000616
86-000617
86-000618
86-000671
86-004426
Keir, M. J.
86-000974
Keirans, W. J.
86-002899
Kelch, D. O.
86-001115
Keleher, C. J.
86-002765
Kelepouris, E.
86-002579
Kelle, W.
86-005112
Keller, E. C., Jr.
86-004073
Kellerman, K.
86-002939
Kelley, C. D.
86-002084
Kelley, G. G.
86-002422
86-002423
Kelly, G. G.
86-002338
Kelly, J.
86-004035
Kelly, K. H.
86-004263
Kelly, M. G.
86-001085
Kelly, P. E.
86-001942
Kelly, R. K.
86-000905
86-005073
Kelsch, S. W.
86-000472
86-004117
Kelso, J. R. M.
86-000580
86-005192
Kemp, C. J.
86-002337
Kempe, E. J.
86-000992
Kemrova, J.
86-003125
Kenchington, T. J.
86-004856
Kendall, A. W., Jr.
86-004264
86-004857
86-004858
Kendall, R. L.
86-001010
86-001281
Keniry, M. J.
86-000730
Kennedy-Stoskope, S.
86-004939
Kennedy, C. R.
86-003019
86-004924
86-004925
Kennedy, G. J. A.
86-002824
86-004194
Kennedy, J. J.

CONTINUED

Kennedy, J. J.
86-005352
Kent, J. D.
86-000291
86-003933
Kent, M. L.
86-000899
86-002979
86-005028
86-005035
86-005036
86-005113
Kentouri, M.
86-002138
86-002149
86-003500
86-003501
86-003527
86-004530
Kenttamies, K.
86-000954
Kenya, V. S.
86-000591
86-000642
Kepner, W. G.
86-004407
86-005477
Keranen, M.
86-000157
Kerby, J. H.
86-003439
Kerr, S. J.
86-003246
Kerr, W. L.
86-003848
Kerschner, B. A.
86-000677
Ketola, H. G.
86-003556
Kettunen, J.
86-005552
Kevern, N.
86-001080
Khadka, R. B.
86-004531
Khakimullin, A. A.
86-003934
Khalaf, G.
86-004532
Khan, A.
86-005081
86-005114
Khan, I. A.
86-002424
86-004408
Khan, M. A.
86-000937
Khan, R. A.
86-000887
86-001814
86-001822
Khan, S. M.
86-003778
Khanin, J.
86-002013
Khatiri, T. C.
86-000118
Khimitsa, V. A.
86-003636
Khyazev, I. V.
86-003440
Kidder, E. L.
86-002425
Kidder, G. W. III
86-002425

Kierling, J. W.
 86-005596
 Kieser, M. S.
 86-003648
 Kieser, R.
 86-005720
 Kijima, A.
 86-002617
 Kikkawa, B. S.
 86-004409
 86-004410
 Kikuchi, M.
 86-003135
 Kikuchi, Y.
 86-000988
 Kikuchi, Y.
 86-003924
 Kilambi, R. V.
 86-003737
 86-004265
 Kilham, S. S.
 86-003657
 Kim, I.
 86-000467
 86-004118
 Kim, J. Y.
 86-003024
 Kim, K. K.
 86-003557
 Kim, Y. G.
 86-003024
 Kimball, A. S.
 86-004603
 Kime, D. E.
 86-002426
 86-002427
 86-003838
 86-003935
 Kimmel, B. L.
 86-000123
 Kimmel, J. R.
 86-000359
 86-004004
 Kimura, D. K.
 86-001979
 Kimura, L. H.
 86-005275
 Kimura, S.
 86-003936
 Kimura, T.
 86-004942
 86-004999
 86-005008
 86-005009
 86-005010
 86-005011
 86-005017
 86-005074
 Kindle, K. R.
 86-002428
 86-003937
 King, D.
 86-002724
 King, D. S.
 86-000393
 King, J. A.
 86-002493
 King, K.
 86-005625
 King, M. A.
 86-004639
 King, P. A.
 86-002429
 King, W.
 86-003213

Kingstord, M. J.
 86-001372
 Kinkel, P.
 86-002932
 Kinne-Saffran, E.
 86-002430
 Kinne, R.
 86-002430
 86-002572
 Kinnunen, R. E.
 86-000919
 Kinoshita, Y.
 86-004948
 Kinsella, J. E.
 86-000292
 Kiorboe, T.
 86-003658
 86-004533
 Kirby, R. P.
 86-001435
 Kirchels, F. W.
 86-001225
 Kirchgessner, M.
 86-000077
 86-003558
 Kirchhofer, A.
 86-004345
 Kirchhofer, D. A.
 86-003645
 86-004541
 Kirk, J. P.
 86-005455
 Kirkegaard, E.
 86-002129
 Kirn, R. A.
 86-004534
 86-004535
 Kirsch, R.
 86-003925
 86-003938
 Kirschvink, J. L.
 86-000491
 Kirsipuu, A. Y.
 86-002600
 Kirstukae, I. P.
 86-000437
 Kirtley, P. T.
 86-003599
 Kishi, H.
 86-002540
 Kishida, R.
 86-003728
 Kishimoto, H.
 86-004892
 Kishimura, H.
 86-003939
 Kiskaroly, M.
 86-000888
 Kitada, T.
 86-000082
 Kitagawa, D.
 86-000153
 86-000712
 Kitahara, T.
 86-003940
 86-005557
 Kitajima, C.
 86-000081
 Kitajima, K.
 86-002431
 Kitao, T.
 86-002957
 86-004945
 86-004946
 86-004976

. . CONTINUED.

Kitao, T
86-005012
Kitazawa, H.
86-004302
Kitazawa, J
86-000405
86-002432
86-002540
86-002541
86-003941
Kitchell, J. F
86-000672
85-001208
86-001223
86-004495
86-004536
86-004542
Kitting, C. L
86-000674
Kittler, M. C
86-002433
Kittrell, W. B.
86-003212
Kiziewicz, B.
86-002339
Kizner, Z. I
86-005542
Kjorsvik, E.
86-002637
86-003697
86-005280
Klaoudatos, S.
86-002434
Klar, G. T
86-003025
Klassen, G. J
86-000920
Klassen, H. D.
86-005394
Kleckner, R. C
86-001726
86-001727
86-001743
Kleeman, J. M
86-003114
86-003115
Kleftis, K.
86-005066
Kleinfeld, G.
86-003544
Klein, M.
86-005105
Kleingeld, D. W.
86-001317
Kleinholz, C. W
86-003239
Kleinow, K. M.
86-001455
86-001456
86-005333
Kleinseller, A
86-002259
Kleinzeller, A
86-002435
86-002436
Klekat-Tourron, L.
86-003073
Kleppel, G. S.
86-001653
Kleve, M. G.
86-004096
Kleynhans, C. J
86-000765
Klimley, A. P.
86-000492

. . CONTINUED.

Klinley, A. P.
86-004700
Kline, C. R.
86-004195
Kline, M. L.
86-002725
Kling, H. J.
86-002214
Klingbeil, R. A.
86-001616
Klocek, R.
86-000100
Klochkova, E. A.
85-003042
Kraak, R. B.
86-005181
Knarr, J. D.
86-004678
Knauber, O.
86-001548
Kneib, R. T.
86-002755
86-002784
Knezovich, J. P.
86-003116
Knight, K.
86-002997
Knight, L. A., Jr
86-003232
Knight, N. J.
86-004196
Knight, S. S.
86-005403
Knights, B.
86-003559
Knisley, C. R.
86-001227
Knoll, A.
86-001911
Knowles
86-005448
Knudsen, H. P.
86-003365
Knudsen, K. L.
86-004122
Knuth, M. L.
86-005303
Knutsen, H.
86-001276
Knyazeva, N. S.
86-003440
Ko, K. S.
86-003260
Ko, R. C.
86-000921
Koban, M.
86-000293
Kobayashi, A.
86-003397
Kobayashi, D. R.
86-001565
Kobayashi, H.
86-000348
86-000493
86-000494
86-002547
86-004077
Kobayashi, K.
86-004057
86-004058
86-004892
Kobayashi, M.
86-000294
86-002437
86-002726

| | |
|---------------------|---------------------|
| Kobayashi, M. | Kolli, L. |
| 86-003942 | 86-000581 |
| 86-005001 | Kolmakov, I. B. |
| Kobayashi, T. | 86-005353 |
| 86-004266 | 86-005710 |
| Kobayashi, T. | Kolman, R. |
| 86-000547 | 86-000015 |
| Kobylyanskiy, S. G. | 86-003243 |
| 86-000825 | Kolok, A. S. |
| 86-001669 | 86-002785 |
| Koch, F. | Kolton, R. J. |
| 86-001518 | 86-003167 |
| Kochkin, P. N. | 86-005281 |
| 86-002825 | Kolupayev, B. I. |
| Kock, H. | 86-005282 |
| 86-004537 | Komori, T. |
| Kock, K. | 86-002463 |
| 86-004814 | 86-003963 |
| Kock, K. H. | Komov, V. T. |
| 86-005115 | 86-001033 |
| Kodama, H. | Konagai, M. |
| 86-004929 | 86-000154 |
| 86-004968 | Konagaya, T. |
| 86-004969 | 86-002200 |
| 86-004977 | Konchina, Y. V. |
| 86-004978 | 86-004538 |
| Kodric-Brown, A. | 86-004539 |
| 86-000619 | Kondal, J. K. |
| Koenings, J. P. | 86-005309 |
| 86-005460 | Kondo, H. |
| Koenst, W. M. | 86-000405 |
| 86-003437 | 86-002432 |
| Kogan, A. V. | 86-002540 |
| 86-001693 | 86-002541 |
| Kogelschatz, J. E. | 86-003941 |
| 86-001348 | Kondo, T. |
| Kohara, M. | 86-005654 |
| 86-005064 | Kondrashov, A. S. |
| Kohler, A. C. | 86-002580 |
| 86-004464 | Konkle, B. R. |
| Kohler, C. C. | 86-004540 |
| 86-003240 | Konno, S. |
| 86-003241 | 86-002155 |
| 86-003242 | Konosu, S. |
| Kohlmeier, G. | 86-000070 |
| 86-002987 | Konovalenko, I. I. |
| Kohn, A. | 86-002858 |
| 86-001795 | Konrad, M. |
| 86-005116 | 86-002990 |
| Kahno, S. | Konstantinov, A. S. |
| 86-002601 | 86-001698 |
| Koike, A. | Konstantinov, V. V. |
| 86-001184 | 86-000782 |
| 86-001185 | Koob, T. J. |
| Koike, T. | 86-002248 |
| 86-000495 | 86-002439 |
| Koivusaari, U. | 86-002440 |
| 86-000186 | Kopp, U. C. |
| 86-005227 | 86-002441 |
| Koizumi, T. | Kori-Siakpere, O. |
| 86-000082 | 86-000295 |
| Kojima, H. | Korkuc, M. |
| 86-002438 | 86-002901 |
| 86-002448 | Kormanik, G. |
| 86-002535 | 86-002442 |
| 86-003135 | 86-002443 |
| Kojima, K. | Kormanik, G. A. |
| 86-001540 | 86-000296 |
| Kojima, M. K. | 86-001430 |
| 86-003131 | Korn, S. |
| Kolar, Z. | 86-004054 |
| 86-001431 | Korneev, A. A. |
| 86-001432 | 86-001752 |
| Koldenkova, L. | Kornfield, E. |
| 86-003738 | 86-004816 |

Kornienko, G. G.
 86-004119
 86-004859
 Kornman, I. E.
 86-001630
 86-000582
 Korotkov, V. K.
 86-005502
 Korsgaard, B.
 86-000297
 86-001908
 86-002444
 86-003739
 Kortschal, R.
 86-003740
 Korwin-Kossakowski, M.
 86-000496
 86-003396
 Koschier, F. J.
 86-003117
 Koshino, Y.
 86-001449
 Koski, K.
 86-005412
 Koski, K. V.
 86-003189
 86-004203
 86-004376
 86-004541
 86-005401
 86-005597
 Koss, G.
 86-003074
 Kotchian-Prentiss, N. M.
 86-000621
 Kothary, R.
 86-002445
 Kotis, R. J.
 86-003330
 Kotlyar, A. N.
 86-000766
 86-002864
 86-002900
 86-004267
 86-004850
 Kotov, E. I.
 86-005503
 Kotova, N. P.
 86-001809
 Kotschal, K.
 86-003714
 86-003741
 86-003816
 Kouril, J.
 86-002082
 86-003096
 86-003441
 86-003442
 Kovacs-Gayer, E.
 86-005039
 Koval'chuk, L. A.
 86-003622
 Kovaljova, A. A.
 86-000885
 Kovtsova, M. V.
 86-002826
 Kovtun, V. V.
 86-004411
 Kowalewski, M.
 86-002840
 86-004617
 Kowal, B. V.
 86-002083
 Kowal, G. V.
 86-000453

Kowal, G. V.
 86-003443
 Koyama, J.
 86-001002
 86-003163
 86-003164
 Koyama, M.
 86-002673
 Koyanagi, T.
 86-001508
 Kozaki, S.
 86-004948
 Kozhara, A. V.
 86-002249
 86-002250
 Kozlitina, S. V.
 86-001747
 86-005568
 Kozubkaya, G. I.
 86-003623
 Kraai, J. E.
 86-001170
 Kraft, C. E.
 86-000120
 86-004542
 Kraft, M. E.
 86-001989
 Krahm, M. M.
 86-000955
 86-005186
 Kraiem, M. M.
 86-004346
 Kral, K.
 86-000854
 Kramer, B.
 86-001457
 86-001458
 Kramer, D. L.
 86-000212
 Kramer, S. H.
 86-004543
 86-005273
 Krasil'shchikov, M. S.
 86-004926
 Krasin, V. K.
 86-000885
 Krasnoper, E. V.
 86-002446
 Kratt, L. F.
 86-003228
 Kratz, T. K.
 86-003646
 Kraul, S. A., Jr.
 86-002837
 Krais, K. A.
 86-003445
 Krautgartner, W. D.
 86-003741
 Krautter, G. R.
 86-003117
 Kremer, W.
 86-002442
 86-002443
 Kremers, W. K.
 86-002786
 Kriksunov, E. A.
 86-000539
 Kringle, R. O.
 86-005254
 Kringstad, A.
 86-005161
 86-005232
 Krise, W. F.
 86-002060
 86-003444

CONTINUED

- ise, W. F.
 86-003445
 ishna Bhat, C. H.
 86-000745
 ishna Pillai, S.
 86-001150
 ishnamoorthi, K. P.
 86-003118
 oq, C.
 86-004347
 86-005595
 or, M. D.
 86-000056
 86-000057
 86-001297
 86-002028
 onmiller, T. G.
 86-003331
 otzer, R. S.
 86-001732
 out, R. T.
 86-001003
 ouchinin, O. H.
 86-005504
 ueger, C. C.
 86-004137
 uetzmann, H.
 86-000298
 rupka, I.
 86-003446
 86-004120
 86-004640
 rupp, F.
 86-000155
 86-000454
 86-000767
 86-000826
 86-000827
 ruse, K. C.
 86-000525
 rutovskiy, S. V.
 86-003943
 rygler, E. E.
 86-002727
 ryzhanovskiy, I. V.
 86-004641
 uba, S. H.
 86-004657
 ublicz, A.
 86-000281
 ublick, E. A.
 86-003795
 ubo, Y.
 86-003253
 ubota, J.
 86-002308
 86-003095
 ubota, S. S.
 86-002950
 86-004973
 86-005049
 86-005070
 86-005071
 86-005102
 ubota, T.
 86-004544
 ubu, F.
 86-003447
 Lucas, S. T.
 86-004268
 Lucas, S. T., Jr.
 86-004269
 Lucera, P. A.
 86-001561
 Kudrin, B. D.
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CONTINUED...

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 National Research Council
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 Organization for Economic Co-Operation
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 Pacific Fishery Management
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 Paperna, I.
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 Organization for Economic Co-Operation
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 Pacific Fishery Management
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 Padron, F. G.
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CONTINUED

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86-002603

...CONTINUED

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 RG-000000

CONTINUED

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 Rombough, P. J.
 86-001017
 Rombout, J. H. W. M.
 86-003817
 Romer, G. S.
 86-001684
 Romero, A.
 86-000501
 Romero, R. C.
 86-001847
 86-003037
 Ronan, M. C.
 86-002503
 Rongde, C.
 86-004101
 Rooks, J. R.
 86-002686
 Rooney, O. J.
 86-002666
 Ropson, I.
 86-002609
 Ropson, I. J.
 86-000362
 Rosa, R. S.
 86-000834
 Rosch, R.
 86-000074
 86-002057
 86-003544
 86-003574
 86-004154
 Rose, G.
 86-003915
 86-004019
 Rose, G. A.
 86-001571
 86-004412
 Rosegger, T.
 86-001735
 Rosello, O. O.
 86-003785

| | |
|--------------------|--------------------|
| Rosemark, R. | Rowchal, S. |
| 86-002979 | 86-004649 |
| 86-002991 | Rowes, K. D. |
| Rosen, R. A. | 86-001617 |
| 86-001054 | Rowland, W. J. |
| Rosenberg, A. A. | 86-002667 |
| 86-004368 | Rowley, A. F. |
| Rosenberg, M. | 86-002408 |
| 86-000132 | Roy, R. J. J. |
| Rosenblatt, R. H. | 86-004052 |
| 86-002612 | Roy, S. |
| 86-002909 | 86-002095 |
| 86-004674 | Roy, S. K. |
| 86-004891 | 86-003378 |
| Rosenblum, P. M. | Royce, W. F. |
| 86-000363 | 86-003341 |
| 86-000364 | Rozas, L. P. |
| Rosenquist, G. L. | 86-005622 |
| 86-000422 | Rozdzial, M. M. |
| Rosenqvist, G. | 86-003786 |
| 86-002630 | Ruban, G. I. |
| Roshchin, E. A. | 86-001863 |
| 86-002696 | Rubcov, V. |
| Rostan, I. | 86-001363 |
| 86-005518 | 86-005018 |
| Ross, L. G. | Rubenstein, D. I. |
| 86-002056 | 86-000597 |
| Ross, M. A. | Rubio R., E. A. |
| 86-001988 | 86-004731 |
| Ross, M. J. | Rubio, R. |
| 86-004777 | 86-002364 |
| Ross, M. R. | Rubsamen, S. |
| 86-004648 | 86-004998 |
| Ross, S. I. | Ruby, S. M. |
| 86-002795 | 86-005294 |
| 86-004771 | 86-005306 |
| Rossherg, K. S. | Rudenko, V. I. |
| 86-002127 | 86-001300 |
| Rosseland, R. O. | 86-003945 |
| 86-005317 | Rudnev, V. A. |
| Rossi, D. | 86-004431 |
| 86-001954 | Rudnicki, R. A. |
| Rossi, R. | 86-000997 |
| 86-004250 | Ruehle, T. E. |
| Rosso, A. | 86-002464 |
| 86-005057 | Ruggieri, G. D. |
| Rothchild, B. J. | 86-001829 |
| 86-005564 | Ruhle, C. |
| Rothlisberg, P. C. | 86-003787 |
| 86-001594 | Ruifang, W. |
| Rothwell, G. N. | 86-001544 |
| 86-002118 | Ruiz-Amil, M. |
| 86-002119 | 86-002372 |
| Rottiers, D. V. | Rulifson, R. A. |
| 86-003560 | 86-005384 |
| Roubal, F. R. | Rumble, M. A. |
| 86-002504 | 86-005400 |
| 86-005137 | Rumsey, G. |
| 86-005138 | 86-001035 |
| Roubal, W. T. | 86-002570 |
| 86-005186 | Rundberg, E. G. S. |
| Roughgarden, J. D. | 86-003059 |
| 86-004304 | Runn, P. |
| Rourke, A. W. | 86-001453 |
| 86-003038 | 86-001909 |
| Rouse, J. B. | 86-001910 |
| 86-004004 | 86-003100 |
| Roush, R. T. | Ruotsila, L. |
| 86-005330 | 86-005204 |
| Russet, V. | Ruple, D. |
| 86-001832 | 86-003788 |
| 86-005135 | Ruppert, D. |
| Roux, A. | 86-001269 |
| 86-004723 | 86-005565 |
| Rovainen, C. M. | Rusaouennocent, M. |
| 86-000365 | 86-004020 |

Russ, G.
 86-000777
 Russell, B. C.
 86-004304
 86-004790
 Russell, D.
 86-000968
 Russell, D. F.
 86-002505
 Russell, I. C.
 86-003219
 Russell, R. G. G.
 86-003912
 Russell, T. R.
 86-003433
 86-004282
 86-005342
 Russo, A. R.
 86-005206
 Russo, J. L.
 86-000521
 86-004806
 Russo, R. C.
 86-003159
 Russock, H. I.
 86-002668
 Rustad, S.
 86-003637
 Rutka, J.
 86-005674
 Rutledge, H. M.
 86-002059
 Ruttanaphani, R.
 86-002998
 Ryabova, G. D.
 86-002608
 Ryan, P. A.
 86-001695
 Ryan, P. M.
 86-001621
 Ryka, B.
 86-002521
 86-002526
 Ryman, H.
 86-000460
 86-001533
 Ryon, M. G.
 86-001595
 Ryu, B. S.
 86-003517
 Saad-Fares, A.
 86-003039
 Saari, M. J.
 86-002058
 Saarikoski, J.
 86-003147
 Sabath, B.
 86-002178
 Sada, D. W.
 86-000792
 86-000811
 86-001059
 Sadler, K.
 86-004021
 Sado, T.
 86-001454
 Saeed, D. W.
 86-004413
 Saeed, M. D.
 86-004584
 Sætersdal
 86-005675
 Safer, A. M. A.
 86-001386
 Safonov, N. V.
 86-004222

Satronov, S. G.
 86-002689
 Sagar, P. M.
 86-004772
 Sage, R. D.
 86-004145
 Sagen, I.
 86-005256
 Sagitullayev, N. S.
 86-002796
 Saha, S. K.
 86-0060033
 Sahara, S.
 86-003131
 Sahrul, M.
 86-005172
 Saidul, W. M.
 86-002634
 Saidi, M. K.
 86-001596
 86-003080
 Saitosbury, K. J.
 86-004585
 Saint-Paul, H.
 86-004283
 Saito, K.
 86-003940
 Saito, J.
 86-000366
 86-009367
 Sakaguchi, G.
 86-004948
 Sakaguchi, H.
 86-001498
 Sakaguchi, M.
 86-004022
 Sakaguchi, S.
 86-003000
 Sakai, D. K.
 86-000876
 86-002956
 86-002958
 86-004999
 86-005000
 Sakai, H. M.
 86-001387
 Sakai, I.
 86-005676
 Sakai, K.
 86-000170
 86-003456
 Sakai, M.
 86-002957
 86-004945
 86-004971
 86-005001
 Sakai, T.
 86-001498
 86-004023
 Sakazut, M.
 86-002613
 Sakai, N.
 86-005469
 Sakamoto, M.
 86-003554
 Sakamoto, S.
 86-000432
 Sakamoto, W.
 86-004732
 Sakamori, J.
 86-001848
 86-002934
 86-005123
 86-005124
 Sakamori, J. A.
 86-003040

AUTHOR INDEX

kata, K.
 86-001499
 ko, T.
 86-003932
 kovich, I. G.
 86-002697
 ksnaug, E.
 86-003665
 la, R.
 86-005245
 lati, F.
 86-000877
 86-005002
 danha, L.
 86-001590
 e, P. F.
 86-001622
 86-004369
 in, R.
 86-000962
 86-000963
 man, N. A.
 86-002190
 86-002289
 mela, R.
 86-000835
 o, J.
 86-001230
 ojarvi, K.
 86-005416
 86-005483
 86-005484
 ter, P.
 86-005683
 veit, S. J.
 86-004490
 yatori, R.
 86-003518
 86-003519
 yasser, H.
 86-001062
 ylecos, C. P.
 86-005067
 asiva Rao, K. R. S.
 86-005304
 s, W.
 86-003246
 off, I. M.
 86-000361
 llow, P. B.
 86-000463
 les, K. C.
 86-001117
 son, D. R. T.
 86-003591
 on, F. B.
 86-001062
 el, D. E.
 86-003058
 el, M.
 86-000054
 86-002689
 86-002728
 86-002835
 86-003342
 elson, C. E.
 86-005410
 nez-Gil, P.
 86-002742
 nez, P. G.
 86-003017
 nez, T.
 86-000042
 86-003478
 n

. CONTINUED .
 Sand, O.
 86-004024
 Sanders-Loehr, J.
 86-002939
 Sanders, H. O.
 86-001902
 Sanders, J. E.
 86-004947
 Sanders, J. G.
 86-003654
 86-005307
 Sanders, R. M., Jr.
 86-001078
 86-001118
 Sanderson, S. L.
 86-000690
 86-001376
 86-004574
 Sandknop, E. M.
 86-003759
 86-003789
 86-005716
 Sandlund, O. T.
 86-004277
 86-004462
 Sands, D. D.
 86-002179
 86-003465
 Saneyoshi, M.
 86-000898
 86-005051
 Sano, M.
 86-004892
 86-005063
 Sano, N.
 86-003364
 86-003369
 Sano, T.
 86-005068
 Sano, T.
 86-005021
 86-005055
 86-005063
 86-005064
 Santa Maria, I.
 86-005207
 Santangelo, G.
 86-003974
 Santiago, C. B.
 86-002507
 Santiago, L. P.
 86-005308
 Santulli, A.
 86-001309
 86-004025
 Sanz, A.
 86-001286
 86-001500
 Saoud, M. F.
 86-003013
 Saracino, C.
 86-003403
 Saraiva, A.
 86-004956
 Sargeant, R. C.
 86-000600
 Sargent, J. R.
 86-000385
 86-002368
 86-003533
 86-003877
 86-003919
 Sargent, P. A.
 86-001531
 86-

CONTINUED.

Sargent, P. A.
 86-002508
 Sargent, R. C.
 86-000484
 Sarig, S.
 86-001282
 86-002104
 Sareglia, M. G.
 86-000914
 Sartoris, J. J.
 86-002215
 Sarvala, J.
 86-001230
 Sasaki, H.
 86-002293
 86-005064
 Sasaki, K.
 86-004058
 Sasaki, N.
 86-004109
 Sasaki, T.
 86-001185
 Sassaman, C.
 86-004384
 Satchell, G. H.
 86-002563
 86-004026
 Sathyanarayanaappa, S. H.
 86-005519
 Sathyanesan, A. G.
 86-001014
 86-002985
 86-003133
 86-003141
 86-003142
 Sato, H.
 86-001637
 Sato, K.
 86-000434
 86-001973
 86-004027
 Sato, M.
 86-000434
 86-004027
 Sato, O.
 86-001119
 Sato, R.
 86-004149
 Sato, T.
 86-001931
 Satoh, S.
 86-000081
 86-000382
 86-002601
 Sauer, D. C.
 86-000368
 86-000369
 Sawyer, G. R.
 86-001018
 Saul, B. M.
 Savino, J. F.
 86-000692
 Savits, J.
 86-000676
 Savitz, J.
 86-000502
 Savoy, T.
 86-005544
 Savoy, T. F.
 86-000793
 86-001255
 Savvatimiskij, P. M.
 86-004470
 Savvatimskiy, P. I.
 86-002698
 Sawyer, D. B.
 86-000370
 Sawyer, P. L.
 86-001019
 Sawyer, T. K.
 86-002975
 Sawyko, P. M.
 86-000964
 Saxena, A. B.
 86-003149
 Saxena, P. K.
 86-005309
 Saxon, E. C.
 86-001819
 Sayer, M. D. J.
 86-002343
 Sayes, A.
 86-003285
 Sazima, I.
 86-004586
 Sazonov, U. I.
 86-002910
 Sazonov, Y. I.
 86-001782
 86-002911
 Shiklin, Y. N.
 86-002867
 Scarano, G.
 86-000914
 Scarnecchia, D. L.
 86-004370
 Scavia, D.
 86-005578
 Schadt, T. H.
 86-004392
 Schaefer, S. A.
 86-001783
 Schaeffer, J. S.
 86-002797
 86-004371
 Schaeffer, K. M.
 86-001572
 Schaffner, F. C.
 86-004773
 Schaffran, G. C.

Schellart, N. A. M.
 86-001481
 Schelske, C. L.
 86-003638
 Schenborn, D. A.
 86-001063
 Scherer, E.
 86-005310
 Schiavone, A., Jr.
 86-002737
 Schiel, D. R.
 86-000757
 Schiffers, E.
 86-004420
 Schild, D.
 86-002509
 Schill, D. J.
 86-005606
 Schindler, D. W.
 86-003633
 Schindler, J. F.
 86-002275
 86-004029
 Schirf, V. R.
 86-003868
 Schirmer, M.
 86-000949
 Schlagenhaut, T. W.
 86-000503
 Schlaghecke, R.
 86-000374
 Schlatter, E.
 86-003905
 Schloesser, D. W.
 86-004769
 Schlotfeldt, H.
 86-005003
 86-005004
 Schmale, M. C.
 86-001849
 Schragl, M. K. L.
 86-002510
 Schmidt-Focke, E.
 86-003606
 Schmidt, K. A.
 86-005727
 Schmidt, M. E.
 86-005456
 86-005465
 Schmidt, P. S.
 86-001516
 Schmidt, T. W.
 86-002798
 Schmied, R. L.
 86-003344
 Schmitt, C. G.
 86-000535
 Schmitt, C. J.
 86-001596
 86-003080
 Schmitt, P. D.
 86-004587
 Schmitt, R. J.
 86-000673
 86-004522
 Schmittou, H. R.
 86-002033
 86-002759
 86-003386
 Schneider, C. P.
 86-004363
 86-005457
 Schneiderwin, R. W.
 86-002799
 86-004588

Schnell, M. S.
 86-005734
 Schnell, S. M.
 86-005734
 Schnick, R. A.
 86-002038
 86-005311
 Schnoor, J. L.
 86-001868
 Schnute, J.
 86-005108
 86-005312
 86-005566
 Schnute, J. T.
 86-003275
 Schoch, W. F.
 86-001964
 Schoellermann, B.
 86-002430
 86-002572
 Schoenherr, A. A.
 86-004774
 Schofield, C. L.
 86-005155
 Schom, C. B.
 86-002039
 86-005313
 Schoonbee, H. J.
 86-000193
 86-000606
 86-001733
 86-002090
 86-002091
 86-002092
 86-002096
 Schoonen, W. G. E. J.
 86-000372
 86-002511
 Schrag, J. D.
 86-001510
 Schramm, H. L., Jr.
 86-001055
 86-001686
 Schrag, S. M.
 86-005208
 Schreck, C. B.
 86-000350
 86-000351
 86-002300
 86-002373
 86-003144
 86-003996
 86-004209
 86-005327
 Schreiber, R. K.
 86-001867
 Schreiber, M. P.
 86-000373
 86-004030
 Schroeder, R. E.
 86-004574
 Schuetz, H.
 86-002430
 86-002572
 Schuler, E.
 86-003074
 Schuler, F. M.
 86-003325
 Schulte, E.
 86-003783
 Schultz, C. L.
 86-000902
 86-002959
 86-005005
 Schultz, D. L.
 86-004294

Schultz, M. E.
 86-005314
 Schultz, R. J.
 86-000449
 86-005314
 Schultze, D. L.
 86-003345
 Schulz, H.
 86-002512
 86-003575
 Schulz, R.
 86-000374
 86-004031
 Schumacher, J. D.
 86-004756
 Schurr, K.
 86-001877
 Schwalme, K.
 86-000375
 86-000376
 86-001200
 86-001501
 Schwan, T. G.
 86-004032
 Schwanck, E.
 86-004211
 Schwantes, A. R.
 86-002550
 Schwartz, J. P.
 86-003148
 Schwarz, F. J.
 86-000066
 86-000077
 86-003558
 Schwarzer, R.
 86-001489
 Schweigert, J. F.
 86-001215
 Schweitzer, J.
 86-002513
 Schwinden, C. J.
 86-005423
 Scott, A. P.
 86-000397
 Scott, D.
 86-005485
 Scott, E. M.
 86-000377
 Scott, G. K.
 86-004146
 Scott, J. B.
 86-005411
 Scott, J. S.
 86-000856
 86-000927
 86-001850
 86-001851
 Scott, M. E.
 86-000928
 86-005139
 Scott, P.
 86-003041
 Scott, T. M.
 86-005101
 Scott, W. B.
 86-001781
 Sclingeour, G. J.
 86-004589
 Scrivener, J. C.
 86-005390
 Scruton, D. A.
 86-003655
 86-005162
 Scudder, T.
 86-005607

Scully, R. P., Jr.
 86-001502
 Scura, E. D.
 86-002087
 Sealing, C.
 86-001175
 Seaman, W. Jr.
 86-001056
 Seaton, D. D.
 86-000795
 Sebakh, I. K.
 86-003630
 Sebert, P.
 86-000378
 86-002320
 86-002514
 Sechin, Y. T.
 86-003276
 Sechnick, C. W.
 86-002669
 Secombes, C. J.
 86-000929
 86-002195
 Secor, D. H.
 86-000740
 86-000741
 Sedberry, G. R.
 86-000693
 Sedell, J. R.
 86-004775
 86-005378
 86-005608
 Sedlar, J.
 86-004120
 Seeb, J. E.
 86-005464
 Seeb, L. W.
 86-004147
 86-005464
 Seehorn, M. E.
 86-005452
 Seelbach, P. W.
 86-001191
 Seeley, P. N.
 86-001958
 Seeliger, U.
 86-005181
 Seely, E. H.
 86-000969
 Seelye, J. G.
 86-001753
 Seghers, B. H.
 86-004590
 Segner, H.
 86-003576
 Sequier, J.
 86-005407
 Sequin, R.
 86-003370
 Sehgal, R.
 86-003149
 Seidel, J.
 86-003074
 Seidler, J. J.
 86-000965
 Seigaku, M. H.
 86-004574
 Seigel, J. A.
 86-000778
 86-004733
 Seigneurie, E.
 86-001932
 Seikat, T.
 86-000171
 86-004650

Shah, K. L.
86-003637
Shakaryan, G. A.
86-004591
86-004592
86-005648
Shakhratova, Y. I.
86-004034
Shaklee, J. B.
86-000463
Shakuntala, K.
86-003993
Shandikov, G. A.
86-002276
Shandruk, R. N.
86-003943
Shang, Y. C.
86-002097
Shanker, R.
86-005316
Shapiro, D. Y.
86-004212
86-004213
Shapovalova, G. I.
86-004937
Sharangi, N.
86-003384
Sharma, A.
86-005495
Sharma, B. K.
86-000045
86-003387
Sharma, K. P.
86-000779
Sharma, S. C.
86-002231
Sharp, J. R.
86-001020
Shatilina, T. V.
86-000632
Shatunovskiy, M. I.
86-000539
86-000772
86-004580
Shaub, Y. B.
86-005520
Shaw, M.
86-003635
Shaykin, A. V.
86-004580
Shazili, N. A. M.
86-001919
Shcherbachev, Y. N.
86-000780
86-001782
Shcherbina, T. V.
86-004080
Shchetinnikov, A. S.
86-000694
Sheaffer, W. A.
86-004471
Shear, H.
86-003634
Shears, M. A.
86-001021
86-001869
Shebil, D.
86-000938
Sheehy, D. J.
86-001120
86-003198
Sheenko, P. S.
86-005140
Shekhodanov, K. L.
86-001757
86-001759
Shekk, P. V.
86-003945

Shelton, H. M.
86-003637
Shelton, M. P.
86-004591
86-004592
86-005648
Shelton, N.
86-000432
Shelton, B. R.
86-000108
Shelton, M.
86-002623
Shelton, A. A.
86-000836
Shelton, C. M., Jr.
86-001866
Shelton, K.
86-002515
86-004033
Shelton, G. S. D.
86-000379
Shelton, M. E.
86-002330
Shelton, N. N.
86-004430
Shelton, A. I.
86-004734
Shelton, K. J.
86-003466
Shelton, G. P.
86-001389
Shelton, P. R.
86-000043
Shelton, D. G.
86-003790
Shelton, K. K.
86-002036
Shelton, C.
86-004285
Shelton, L. I.
86-005526
Shelton, D. V.
86-005065
Shelton, G.
86-000742
Shelton, P. K.
86-005316
Shelton, M. D.
86-000878
Shelton, A.
86-003074
Shelton, S.
86-003074
Shelton, D. M.
86-002868
Shelton, S. O.
86-002614
Shelton, T. K.
86-002936
Shelton, S. A.
86-004651
Shelton, K.
86-004058
Shelton, D. N.
86-000159
Shelton, P. E.
86-002882
Shelton, S. E.
86-004618
Shelton, P. L.
86-003261
Shelton, P. L.
86-000004
86-000044
86-003247

Sheldon, J. G.
 86-001121
 Sheldon, M. R.
 86-001657
 Sheldon, R. G.
 86-005474
 Shell, B. D.
 86-003081
 Shell, E. W.
 86-002033
 Shelton, A. D.
 86-003445
 Shelton, J. L.
 86-000116
 Shelton, P. A.
 86-001758
 86-005357
 Shelton, W. L.
 86-003218
 86-003466
 Shemikka, P.
 86-005590
 Shenker, J. M.
 86-001736
 86-004652
 Shenuda, S.
 86-000783
 Shepard, B. B.
 86-005209
 Shepard, J. G.
 86-005561
 Shepard, M. F.
 86-004270
 Shepherd, B. G.
 86-004776
 Shepherd, C. J.
 86-004936
 Sherburne, S. W.
 86-005066
 Sheren, S. B.
 86-004035
 Sheridan, M.
 86-001842
 Sheridan, M. A.
 86-000380
 86-004036
 Sheridan, P. F.
 86-004286
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 Teubert, B. D.
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 Texas Chapter of the American Society
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 Thayaparan, K.
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 Thebault, H.
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 Theberge, B.
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 Thedinga, J. F.
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 Thomson, A. W.
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 Thoresson, G.
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 Thorgaard, G. H.
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 Thorman, S.
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 Thornton, S.
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 Thorpe, A.
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 Thorpe, J. P.
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 Thuemler, T. F.
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 Thurox, R.
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 Tianyou, F.
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 Tiews, K.
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 Tighe, K. A.
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 Tilseth, S.
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 Timeiko, V. N.
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 Timeyko, V. N.
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 Timmerman, J. A., Jr.
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 Timola, O.
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CONTINUED..

- Timola, O
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 Tkaczyk, M.
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 Todd, C. S.
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 Todd, T. H.
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 Torgstad, H. A.
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 Tokai, T.
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 Torpkins, W. A.
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 Tong, H. Y.
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 U.S. Fish and Wildlife
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CONTINUED.

Uchida, R. N.
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 UNESCO
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 Ungell, A.
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 United States Government Accounting
 Office
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 Urazbayev, Z.
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 Urbaniec-Brozda, W.
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CONTINUED

Urbaniec-Brozda, W.
 86-003477
 Uribe, R.
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 Urich, D. L.
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 USSR, Akademiya Nauk SSSR
 Zoologicheskii Institut
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 Uthe, J. F.
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 Vaillancourt, R.
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 Der Kraak, G. J.
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 86-000394
 Yeo, S. E.
 86-000936
 Yette, H. E.
 86-002158
 YevLushenko, N. Y.
 86-004018
 Yli-Karjanne, S.
 86-001182
 Yodav, A. K.
 86-001930
 Yoder, C. O.
 86-002875
 Yonkovich, M. M.
 86-000717
 Yone, Y.
 86-002167
 86-003588
 Yonezawa, S.
 86-002576
 Yungyong, T.
 86-005109
 Yoshida, G. A.
 86-000987
 Yoshida, H.
 86-004300
 Yoshida, M.
 86-002601
 Yoshida, N.
 86-000082
 Yoshida, T.
 86-003135
 86-004976
 Yoshihara, K.
 86-000505
 86-000650
 Yoshikawa, H.
 86-001511

Yoshimizu, M.
86-004942
86-005017
86-005074
Yoshinaka, R.
86-00434
86-004027
Yoshio, J.
86-005557
Yoshicka, I.
86-003964
Yoshiooka, Y.
86-001931
Yoshiyara, R. K.
86-004384
Yust, R.
86-005702
Yoursans, R. B.
86-002133
Younq, B. H.
86-002241
86-003051
Younq, G.
86-000338
86-009435
86-004081
Young, P.
86-001899
Yourg, R.
86-002724
86-003355
Younq, T. C.
86-003629
Youson, J. H.
86-001428
86-001531
86-002288
86-002317
86-002508
86-003814
Yousri, R.
86-001040
Yoza, K.
86-000505
86-000650
Yuretagoyena Ugalde, C.
86-004301
Yu, J. Y. L.
86-002577
Yuen, H. J.
86-003324
Yuge, J. E.
86-001136
Yuneva, T. V.
86-004082
Yunfei, W.
86-002876
Yur'ev, G. S.
86-004318
86-005630
Yuska, J. E.
86-004775
Yusupov, O.
86-002935
Yusupov, R. A.
86-005510
Yuuki, Y.
86-004302
Yuzhakova, G. G.
86-002729
Yuzhen, Y.
86-004101
Zacccone, G.
86-003165
86-003815

. CONTINUED..
Zacccone, G.
86-004083
86-004084
Zacccone, R.
86-004965
Zacharias, L. G.
86-003608
Zaderer, P.
86-004577
Zadunaisky, J.
86-002455
Zadunaisky, J. A.
86-002323
86-002565
86-002578
Zafer Khan, M.
86-000161
Zaferman, M. L.
86-005526
Zahary, R. G.
86-001137
Zajdel, R. K.
86-000999
86-003159
Zajdiner, Y. I.
86-001970
Zajicek, K. D.
86-001041
86-004138
Zaki, M. I.
86-004722
Zalepukhin, V. V.
86-003479
Zalenskikh, L. M.
86-004621
Zalewski, M.
86-003252
86-004781
Zama, K.
86-000401
86-000402
86-001398
86-002295
86-004051
Zambriborshch, F. S.
86-003356
Zandbergen, M. A.
86-001418
Zander, C. D.
86-004159
86-004622
86-004799
Zanuy, S.
86-001355
86-003850
Zanzottera, D.
86-001015
Zapata, A. G.
86-000861
Zaripov, B. R.
86-003620
Zarkua, Z. G.
86-004789
Zasel'skiy, V. S.
86-000564
Zaugg, B.
86-003409
Zaugg, W. S.
86-001523
86-004085
86-004086
Zaunreiter, M.
86-003816
Zava, B.
86-002585

- Zaytiev, A. K.
 86-000549
 Zbanyszek, R
 86-000436
 Zdanovich, V. V
 86-001698
 Zdanowicz, V S.
 86-003083
 Zeiske, E
 86-003802
 Zelinskiy, Y P
 86-000469
 Zelt, K A.
 86-001993
 Zerora, O
 86-000085
 Zenkevich, G. A
 86-000437
 86-001400
 Zerba, E.
 86-003913
 Zerbolio, D J., Jr
 86-000513
 Zettler, E. R
 86-003673
 Zheltenkova, M V.
 86-001693
 Zhiteneva, L D
 86-004087
 Zhou Tun
 86-004123
 Ziebell, C. D.
 86-001243
 86-002675
 86-002809
 86-004374
 86-004485
 86-004584
 Zielinski, B. S
 86-002278
 Zielinski, P B.
 86-002186
 Zigterman, J. W J
 86-000234
 Zijlstra, J. J.
 86-000812
 86-004385
 Ziolkowski, B.
 86-002133
 Zippel, H. P.
 86-002509
 Zischke, J. A.
 86-001042
 Ziskowski, J. J
 86-002975
 Zitko, V
 86-000975
 86-001987
 86-003278
 Zitnan, R.
 86-001836
 86-003052
 86-003053
 Ziyadeh, F N.
 86-002579
 Zohar, G
 86-000086
 86-002104
 86-002166
 86-003584
 Zolotov, O. G.
 86-002771
 Zuckerman, L D
 86-000554
 Zuna, Z.
 86-003283

Zweig, R. D
 86-002044

GEOGRAPHIC INDEX

| | .CONTINUED .. |
|-------------------------------------|---------------------------------------|
| Ica | Alaska |
| 86-002790 | 86-005164 |
| 86-003173 | 86-005355 |
| 86-004830 | 86-005366 |
| 86-004854 | 86-005401 |
| 86-005357 | 86-005412 |
| Ica, Southern | 86-005592 |
| 86-004735 | 86-005701 |
| 86-005348 | Alaska: Auke Bay: Lynn Canal |
| Ica: Lake Kariba | 86-000630 |
| 86-004352 | Alaska: Bristol Bay |
| Ica: Lake Tanganyika | 86-003324 |
| 86-004278 | Alaska: Chena River |
| 86-004352 | 86-000497 |
| 86-004373 | 86-000556 |
| 86-004529 | 86-000573 |
| 86-004560 | 86-000747 |
| 86-004619 | 86-001149 |
| Ica: Lake Victoria | 86-005406 |
| 86-000108 | 86-005430 |
| 86-001047 | 86-005593 |
| 86-002623 | Alaska: Cook Inlet |
| 86-004145 | 86-000584 |
| 86-004913 | Alaska: Copper River |
| Ica: Nile River | 86-004419 |
| 86-004387 | Alaska: Kenai River |
| Ica: West Africa: Gambia River | 86-005586 |
| 86-005431 | Alaska: Kodiak Archipelago |
| Ibama | 86-001650 |
| 86-001158 | Alaska: Kuparuk Rivers |
| 86-001195 | 86-002201 |
| 86-002033 | Alaska: Pavlof Bay |
| 86-003357 | 86-001658 |
| 86-005205 | Alaska: Porcupine Creek |
| Ibama: Alabama River | 86-003645 |
| 86-004111 | 86-003671 |
| Ibama: Chambers Cty Public Fishing | 86-004203 |
| Iake | 86-004376 |
| 86-005455 | 86-004541 |
| Ibama: Coosa River | 86-005597 |
| 86-001093 | Alaska: Prudhoe Bay |
| 86-001142 | 86-004202 |
| Ibama: Interior Low Plateau | 86-005535 |
| 86-000754 | Alaska: Sitka Eddy |
| Ibama: Limestone Cty.: Pryor Spring | 86-004754 |
| 86-005480 | Alaska: Starrigavan Creek |
| Ibama: Tallapoosa River | 86-005387 |
| 86-001732 | Alaska: Tanana River |
| 86-002703 | 86-000499 |
| Ibama: Tombigbee River | Alaska: Tenakee Inlet: Trap Bay Basin |
| 86-003358 | 86-005585 |
| Ibama: West Point Lake | Antarctic |
| 86-004604 | 86-004537 |
| Ibska | 86-004615 |
| 86-000355 | 86-004814 |
| 86-000516 | Antarctic: Weddel Sea |
| 86-000550 | 86-004260 |
| 86-000931 | Antarctica |
| 86-000966 | 86-005115 |
| 86-000970 | Antarctica: McMurdo Sound |
| 86-000972 | 86-004777 |
| 86-001073 | Aral Sea |
| 86-001179 | 86-002935 |
| 86-001187 | Argentina |
| 86-001188 | 86-004711 |
| 86-001239 | Argentina: Chaco |
| 86-001610 | 86-004669 |
| 86-001749 | Arizona |
| 86-001837 | 86-002809 |
| 86-002049 | 86-004126 |
| 86-003189 | 86-004354 |
| 86-004157 | 86-004407 |
| 86-004227 | 86-004762 |
| 86-004441 | 86-005338 |
| 86-004695 | 86-005477 |

. . . CONTINUED . . .

Arizona
 86-005600
 Arizona: Alamo Lake
 86-002675
 86-004374
 86-004475
 Arizona: Colorado River
 86-002642
 86-005415
 Arizona: Gila River
 86-005476
 Arizona: Grand Canyon
 86-004274
 Arizona: Lake Mohave
 86-004423
 Arizona: Lees Ferry
 86-001153
 Arkansas
 86-000833
 86-003298
 86-004651
 86-004691
 Arkansas: Arkansas River
 86-003184
 Arkansas: Mississippi River
 86-005403
 Arkansas: Ouachita River Basin
 86-004664
 Asia
 86-000826
 86-003300
 Atlantic Ocean
 86-000885
 86-001138
 86-001141
 86-001341
 86-001344
 86-001645
 86-001758
 86-002698
 86-004796
 Atlantic Ocean, East Central
 86-001263
 Atlantic Ocean, North
 86-000157
 86-000485
 86-000575
 86-000604
 86-000633
 86-000653
 86-000682
 86-000684
 86-000723
 86-000766
 86-000780
 86-000781
 86-000808
 86-000812
 86-000838
 86-000847
 86-000887
 86-000945
 86-000961
 86-001154
 86-001265
 86-001589
 86-001590
 86-001659
 86-001661
 86-001708
 86-001710
 86-001716
 86-001726
 86-001727
 86-001746

. . . CONTINUED . . .

Atlantic Ocean, North
 86-001773
 86-001814
 86-002004
 86-002560
 86-002693
 86-002695
 86-002699
 86-002732
 86-002739
 86-002747
 86-002791
 86-002802
 86-002847
 86-002873
 86-003004
 86-003085
 86-003199
 86-003262
 86-003346
 86-003658
 86-003665
 86-003675
 86-003735
 86-004163
 86-004188
 86-004248
 86-004253
 86-004256
 86-004261
 86-004263
 86-004276
 86-004280
 86-004308
 86-004309
 86-004320
 86-004323
 86-004379
 86-004385
 86-004464
 86-004469
 86-004470
 86-004538
 86-004539
 86-004575
 86-004578
 86-004579
 86-004620
 86-004621
 86-004625
 86-004663
 86-004671
 86-004685
 86-004703
 86-004899
 86-005136
 86-005149
 86-005166
 86-005185
 86-005190
 86-005198
 86-005204
 86-005425
 86-005461
 86-005639
 86-005649
 86-005658
 86-005667
 86-005675
 86-005678
 86-005679
 Atlantic Ocean, North:
 86-000701
 86-000706
 86-000835

GEOGRAPHIC INDEX

. CONTINUED ..

Atlantic Ocean, North: Bothnian Bay
 86-000860
 86-000933
 86-000935
 Atlantic Ocean, North: Georges Bank
 86-001619
 86-005541
 Atlantic Ocean, North: Gulf of Finland
 86-004406
 86-004758
 Atlantic Ocean, North: Gulf of Maine
 86-000727
 86-003321
 Atlantic Ocean, North: Irish Sea
 86-001604
 86-005121
 Atlantic Ocean, North: New York Bight
 86-000960
 86-001133
 86-001134
 86-002833
 86-002838
 Atlantic Ocean, North: Newfoundland
 Basin
 86-000769
 Atlantic Ocean, North: Norfolk Canyon
 86-002861
 Atlantic Ocean, North: Rockall Trough
 86-001679
 Atlantic Ocean, North: Wadden Sea
 86-000809
 86-002707
 Atlantic Ocean, Northeastern
 86-004743
 Atlantic Ocean, South
 86-001268
 86-001615
 86-004761
 86-004802
 Atlantic Ocean, Southwestern
 86-000652
 Atlantic Ocean, West Central
 86-001262
 Atlantic Ocean, Western
 86-001259
 Atlantic Ocean: Atlantic Sahara
 86-001343
 Atlantic Ocean, South Atlantic Bight
 86-000693
 Australia
 86-000824
 86-001075
 86-001112
 86-001828
 86-002814
 86-002892
 86-002992
 86-003006
 86-003209
 86-003748
 86-004400
 86-004487
 86-004599
 86-004667
 86-004686
 86-004698
 86-004715
 86-004724
 86-004790
 86-004792
 86-004817
 86-004833
 86-004837
 86-004882
 86-004883

...CONTINUED..

Australia
 86-004903
 86-005056
 86-005085
 86-005137
 86-005473
 86-005624
 Australia: Brisbane
 86-004229
 Australia: Finke River
 86-001819
 Australia: Fraser Island
 86-001960
 Australia: Great Barrier Reef
 86-000640
 86-001622
 86-001626
 86-004218
 86-004587
 Australia: New South Wales: La
 86-005424
 Australia: New South Wales: Mo
 River
 86-001859
 Australia: Northern Territory:
 Alligator Rivers System
 86-001389
 Australia: Port Stephens
 86-004705
 Australia: Queensland: Moreton
 86-002011
 86-004421
 Australia: Tasmania
 86-000534
 86-000874
 86-004631
 Australia: Victoria
 86-000777
 Austria
 86-001683
 Austria: Danube River
 86-004665
 Austria: Lake Gossenköllesee
 86-004577
 Austria: Vienna
 86-004224
 Azov Sea
 86-005418
 Bahama Islands
 86-001067
 86-001086
 86-001100
 Baltic Sea
 86-000577
 86-000581
 86-000585
 86-000624
 86-000847
 86-001266
 86-004344
 86-004378
 86-004507
 86-005199
 86-005652
 86-005677
 Barents Sea
 86-000723
 86-001589
 86-004578
 86-004621
 Belgium: River Meuse
 86-005224
 Bering Sea
 86-001212
 86-002722

. . . CONTINUED . . .

Bering Sea

86-002884
86-004232
86-004234
86-004288
86-004298
86-004388
86-004425
86-004473
86-004742
86-004750
86-004756
86-004757
86-004928
86-005559
86-005625
86-005640

Bering Sea: Bay of Korf

86-000681

Bikini Atoll

86-004217
86-004457

Black Sea

86-002250
86-002709
86-003356
86-003617
86-003621
86-003622
86-003630
86-003636
86-003660
86-004318
86-004343
86-004593
86-004763
86-005630

Bolivia: Small Titicaca Lake

86-003283

Borneo

86-002905

Botswana: Lower Okavango Swamp

86-004713

Brazil

86-000844
86-001795
86-002902
86-003453
86-004481
86-004586
86-005116
86-005599
86-005644

Brazil: Amazon River

86-004662

Brazil: Americana Reservoir

86-005618

Brazil: Rio Aripuana

86-001777

Brazil: Rio Jequitinhonha

86-002917

Brazil: Rio Negro

86-004228

Brazil: Rio Tapajós

86-000839

British Columbia

86-001394

British Columbia: Queen Charlotte Islands

86-005405

British Columbia: Queen Charlotte Islands: Sangar River

86-002274

Bulgaria

86-003028

Burma

86-004889

California

86-000666
86-000757
86-000815
86-000911
86-001089
86-001094
86-001104
86-001108
86-001110
86-001136
86-001137
86-001197
86-001393
86-001583
86-001612
86-001616
86-001653
86-001660
86-001687
86-001691
86-003185
86-003187
86-003380
86-003381
86-003390
86-004197
86-004244
86-004254
86-004333
86-004384
86-004499
86-004582
86-004733
86-004738
86-004751
86-004773
86-004774
86-005349
86-005468
86-005605

California: A.D. Edmonstone Plant

86-005528

California: California Coast

86-002213

California: Carson River

86-002860

California: Channel Islands

86-000768

California: Channel Islands

86-004676

California: Clear Lake

86-004223

California: Dillon Beach

86-001586

86-002780

California: Don Pedro Reservoir

86-005350

California: Elkhorn Slough

86-001739

California: Folsom Lake

86-005437

California: Humboldt Bay

86-001620

86-004689

86-005673

86-005688

California: Humboldt City

86-002862

California: Lark Soap

86-004249

California: Martis Creek

86-004250

Monterey Bay
 098
 025
 Owens River
 077
 078
 Pacific Palisades
 078
 Sacramento-San Joaquin
 062
 Sacramento-San Joaquin
 028
 Sacramento-San Joaquin
 041
 014
 Salton Sea
 020
 San Bernadino Cty . Fort
 055
 San Diego Bay
 084
 San Francisco Bay
 088
 San Joaquin Valley
 096
 080
 Shasta Cty.: Fall River
 004
 Siskiyou Cty.: Lake
 067
 South Fork Kings River
 053
 Truckee River
 060
 017
 094
 046
 070
 039
 050
 072
 038
 019
 085
 021
 041
 062
 018
 berta
 084
 008
 096
 016
 095
 berta: Cold Lake
 090
 berta: Edmonton
 091
 berta: Gull Lake
 089
 berta: Lesser Slave Lake
 093
 berta: Prairie Creek
 023
 berta: Sassenach Lake
 033
 itish Columbia
 055
 022

...CONTINUED...
 Canada: British Columbia
 86-001941
 86-002211
 86-002774
 86-004416
 86-004468
 86-004697
 86-004958
 Canada: British Columbia: Babine Lake
 86-004635
 Canada: British Columbia: Campbell
 River Estuary
 86-004272
 Canada: British Columbia: Carnation
 Creek
 86-005390
 Canada: British Columbia: Fraser River
 86-000607
 86-000882
 86-004365
 86-004745
 Canada: British Columbia: Hecate Strait
 86-004780
 Canada: British Columbia: Nanaimo River
 86-002938
 Canada: British Columbia: Nitinat River
 86-000789
 Canada: British Columbia: Queen
 Charlotte Islands
 86-005220
 86-005381
 Canada: British Columbia: Queen
 Charlotte Islands: Sachs Creek
 86-005394
 Canada: British Columbia: Stikine River
 86-000567
 Canada: British Columbia: Vancouver
 Island
 86-001605
 Canada: Great Lakes
 86-001218
 Canada: Gulf of St. Lawrence
 86-000750
 Canada: Labrador
 86-001712
 86-003655
 86-004308
 86-004729
 Canada: Labrador Shelf
 86-005185
 Canada: Manitoba
 86-000572
 86-001738
 Canada: Manitoba: Heming Lake
 86-000855
 Canada: Manitoba: Lake Manitoba
 86-004225
 Canada: Manitoba: Lake Winnipeg
 86-003286
 Canada: Manitoba: Red River
 86-004683
 Canada: Manitoba: Winnipeg
 86-004653
 Canada: New Brunswick: Bay of Fundy
 86-005384
 Canada: New Brunswick: Miramichi River
 86-004314
 Canada: New Brunswick: Passamaquoddy
 Bay
 86-000927
 86-001850
 86-003661
 86-004557
 Canada: Newfoundland
 86-000615

GEOGRAPHIC INDEX

.CONTINUED...

Canada: Newfoundland
 86-000781
 86-002708
 86-004356
 86-004703
 86-005516
 Canada: Newfoundland: Gander River
 86-001621
 Canada: Newfoundland: Wings Brook
 86-004454
 Canada: Northwest Territories
 86-000631
 86-002204
 86-002214
 86-002997
 86-004636
 Canada: Northwest Territories: Kakisa
 Lake
 86-002736
 Canada: Nova Scotia
 86-000633
 86-000975
 86-001724
 86-003656
 Canada: Nova Scotia: Annapolis River
 86-004201
 Canada: Nova Scotia: Bay of Fundy
 86-005384
 Canada: Ontario
 86-000121
 86-000644
 86-000920
 86-001132
 86-001140
 86-001217
 86-001235
 86-001609
 86-001854
 86-002205
 86-003087
 86-003246
 86-004245
 86-004540
 86-004554
 86-004747
 86-004958
 86-005156
 Canada: Ontario: Algonquin Park
 86-000889
 86-000890
 Canada: Ontario: Chemung Lake
 86-000574
 Canada: Ontario: Dickson Lake
 86-001635
 Canada: Ontario: Experimental Lakes
 Area
 86-000944
 86-001479
 86-003633
 Canada: Ontario: Harp Lake
 86-003637
 Canada: Ontario: Henderson Lake
 86-003288
 Canada: Ontario: Lake Simcoe
 86-000956
 Canada: Ontario: Lake Temiskaming
 86-003673
 Canada: Ontario: Middle Thames River
 86-004426
 Canada: Ontario: Mud Lake
 86-001872
 Canada: Ontario: Opsley Creek
 86-004393
 Canada: Ontario: Ottawa
 86-001718

.. CONTINUED...

Canada: Ontario: Ottawa
 86-001719
 86-001720
 Canada: Ontario: Turkey
 86-000580
 Canada: Ontario: Wabigoon
 86-005200
 Canada: Ontario: Willand
 86-003010
 Canada: Quebec
 86-001301
 86-002304
 86-002881
 Canada: Quebec: Koksoak
 86-003861
 Canada: Quebec: Lac Cho
 86-004494
 Canada: Quebec: St. Lawr
 86-000647
 86-000746
 Canada: Quebec: St. Lawr
 86-001853
 Canada: Saskatchewan
 86-002889
 Canada: Saskatchewan: Cu
 86-002843
 Canada: Saskatchewan: Pr
 Natl. Park: Crean Lake
 86-001617
 Canada: Yukon
 86-003666
 Caribbean Sea
 86-000813
 86-002842
 86-003781
 86-004160
 86-004551
 86-004688
 86-004741
 86-004788
 86-005097
 86-005626
 86-005653
 86-005682
 Caspian Sea
 86-000699
 86-001648
 86-002867
 86-004458
 86-005656
 Channel Islands: Jersey
 86-004925
 Chesapeake Bay
 86-000696
 86-000950
 86-001251
 86-001844
 86-003313
 86-004690
 86-005621
 Chile
 86-000623
 86-000625
 86-000713
 86-001731
 86-001847
 86-003014
 86-003015
 86-004295
 86-005207
 Chile: Talcahuano
 86-000810
 China
 86-001846
 86-003022

GEOGRAPHIC INDEX

. . . CONTINUED . . .

| | |
|--|----------------------------|
| China | Connecticut River |
| 86-004930 | 86-000629 |
| 86-005109 | 86-000793 |
| China: Lake Donghu | 86-001255 |
| 86-004565 | 86-002713 |
| China: Sichuan | 86-004390 |
| 86-002903 | 86-004465 |
| China: South China Sea | Connecticut: Connecticut |
| 86-004712 | 86-005529 |
| China: Xizang: Namjagbarwa | Connecticut: Pawcatuck Ri |
| 86-002876 | 86-005093 |
| China: Yunnan | Costa Rica |
| 86-001784 | 86-000687 |
| 86-001788 | 86-002034 |
| Colombia | Cuba |
| 86-000737 | 86-002816 |
| 86-000813 | 86-003478 |
| 86-003781 | 86-004313 |
| 86-004160 | 86-004559 |
| 86-004330 | 86-004634 |
| 86-004688 | 86-004660 |
| 86-004741 | 86-004730 |
| Colombia: Malaga Bay | 86-005642 |
| 86-004731 | 86-005681 |
| Colorado | Czechoslovakia |
| 86-001147 | 86-003053 |
| 86-001176 | 86-004442 |
| 86-003311 | 86-005620 |
| 86-004370 | Czechoslovakia: Danube |
| 86-005450 | 86-004569 |
| 86-005737 | Czechoslovakia: Morava Ri |
| Colorado River | 86-000854 |
| 86-005337 | Czechoslovakia: Musov Res |
| Colorado River: Lees Ferry | 86-001704 |
| 86-001153 | Czechoslovakia: Ohre River |
| Colorado: Alamosa River | 86-002852 |
| 86-003190 | Czechoslovakia: Vlara Riv |
| Colorado: Boulder Cty. | 86-004640 |
| 86-002725 | Denmark |
| Colorado: Boulder Cty: Boulder Creek | 86-000335 |
| 86-003291 | 86-004347 |
| Colorado: Dillon Reservoir | 86-005595 |
| 86-001175 | East Africa |
| Colorado: Green River | 86-004800 |
| 86-004436 | East Africa: Rufiji River |
| 86-004710 | 86-002731 |
| Colorado: Gunnison Cty.: Cement Ck. | Easter Island |
| 86-004479 | 86-004825 |
| Colorado: Gunnison River | Egypt |
| 86-002642 | 86-002081 |
| Colorado: Hinsdale Cty.: Emerald Lakes | 86-004944 |
| 86-001992 | Egypt: Lake Brollus |
| Colorado: Larimer Cty.: Sheep Creek | 86-003285 |
| 86-001246 | Egypt: Lake Mariut |
| Colorado: Platte River Basin | 86-004722 |
| 86-004725 | Enwetak Atoll |
| Colorado: Twin Lakes | 86-004217 |
| 86-002215 | 86-004377 |
| 86-005435 | 86-004457 |
| Colorado: Yampa River | England |
| 86-004402 | 86-000569 |
| 86-004436 | 86-001600 |
| 86-004710 | 86-002649 |
| 86-005104 | 86-002711 |
| Columbia River | 86-002791 |
| 86-001701 | 86-002873 |
| 86-001998 | 86-002931 |
| 86-004252 | 86-003003 |
| 86-004534 | 86-003066 |
| 86-005540 | 86-003256 |
| 86-005603 | 86-003372 |
| Columbia River Estuary | 86-005397 |
| 86-002690 | 86-005414 |
| 86-004709 | 86-005587 |
| Connecticut | England: Lake District |
| 86-003888 | 86-003716 |

England: Norfolk Broads
 86-002723
 England: Northamptonshire: River Nene
 86-001711
 England: River Tees Cow Green
 86-005383
 England: River Thames
 86-005077
 England: River Trent
 86-002848
 England: Severn River Estuary
 86-000520
 86-002845
 Europe
 86-001606
 86-004723
 86-005647
 Europe, Central
 86-004154
 Finland
 86-000136
 86-000157
 86-000578
 86-000589
 86-000701
 86-000706
 86-000808
 86-000835
 86-000838
 86-000860
 86-000933
 86-000935
 86-000952
 86-000953
 86-000954
 86-001226
 86-001264
 86-001266
 86-001613
 86-001870
 86-001914
 86-002955
 86-004153
 86-004247
 86-004296
 86-004581
 86-005204
 86-005393
 86-005434
 86-005483
 86-005612
 Finland: Gulf of Finland
 86-000581
 86-000624
 86-004406
 86-004623
 86-004758
 86-004767
 86-004940
 86-005190
 86-005198
 86-005203
 86-005436
 86-005484
 Finland: Lake Inari
 86-005576
 86-005577
 Finland: Lake Kuusvösi
 86-004449
 Finland: Lake Päijänne
 86-005196
 Finland: Lake Pyhäjä
 86-001230
 86-005575
 Finland: Lake Sälj
 86-001744

. . . CONTINUED . . .
 Finland: Lake Saimaa
 86-004336
 Finland: Lake Suomunjarvi
 86-004381
 Finland: Lestijoki
 86-004380
 Finland: Porvoo
 86-005690
 Finland: River Vaikkajoki
 86-005590
 Florida
 86-000002
 86-000005
 86-001055
 86-001056
 86-001069
 86-001118
 86-001120
 86-001128
 86-001143
 86-001664
 86-001686
 86-001849
 86-002599
 86-002652
 86-002685
 86-002908
 86-003247
 86-003465
 86-004253
 86-004644
 Florida: Apalachicola River
 86-000563
 Florida: Dade City
 86-001249
 Florida: Escambia River
 86-001177
 Florida: Everglades
 86-004701
 Florida: Everglades Natl. Park
 86-002798
 Florida: Lake Okeechobee
 86-003172
 Florida: St. Johns River
 86-001240
 86-003172
 86-003295
 France
 86-001161
 86-001832
 86-002046
 86-002116
 86-004351
 86-004443
 86-004626
 86-004723
 86-004726
 France: Bay of Biscay
 86-001639
 86-004305
 France: Elorn River
 86-001593
 France: Gironde Estuary
 86-004445
 France: Gulf of Lion
 86-002818
 86-004583
 France: Lake Creteil
 86-004331
 France: Lake Leman
 86-003391
 France: Loire River
 86-000599
 France: Mauguio Lagoon
 86-004366

GEOGRAPHIC INDEX

| | |
|--------------------------------------|--------------------------|
| | .. CONTINUED... |
| France: Rance Estuary | Gulf of Mexico |
| 86-002787 | 86-003212 |
| France: Rhone River | 86-003214 |
| 86-005583 | 86-004243 |
| Georgia | 86-004290 |
| 86-000473 | 86-005425 |
| 86-000485 | 86-005427 |
| 86-000575 | 86-005517 |
| 86-003334 | 86-005657 |
| 86-004912 | Gulf of Mexico: Flower C |
| Georgia: Conasauga River | 86-001729 |
| 86-001671 | Gulf of St. Lawrence |
| Georgia: Harris Cty. | 86-001628 |
| 86-005582 | Hawaii |
| Georgia: Lake Lanier | 86-000774 |
| 86-003233 | 86-001071 |
| Georgia: Sapelo Island | 86-001091 |
| 86-002755 | 86-002025 |
| Georgia: Suwannee River | 86-002097 |
| 86-004510 | 86-002767 |
| Georgia: West Point Lake | 86-002837 |
| 86-004604 | 86-004340 |
| Georgia: Clarks Hill Reservoir | 86-004395 |
| 86-000722 | 86-004409 |
| Great Lakes | 86-004410 |
| 86-000480 | 86-004513 |
| 86-000634 | 86-004543 |
| 86-000641 | 86-004574 |
| 86-000790 | 86-004591 |
| 86-000801 | 86-004592 |
| 86-001218 | 86-004596 |
| 86-001221 | 86-004647 |
| 86-001231 | 86-004657 |
| 86-001753 | 86-004739 |
| 86-001755 | 86-004740 |
| 86-001965 | 86-005206 |
| 86-001988 | 86-005273 |
| 86-003224 | 86-005275 |
| 86-003282 | 86-005439 |
| 86-004412 | 86-005645 |
| 86-004769 | 86-005646 |
| 86-005188 | 86-005648 |
| 86-005572 | 86-005655 |
| 86-005579 | 86-005659 |
| Great Lakes: St. Clair-Detroit River | 86-005662 |
| System | 86-005668 |
| 86-004696 | 86-005672 |
| 86-004714 | 86-005674 |
| Greece | 86-005685 |
| 86-002692 | 86-005686 |
| Greece: Saronic Gulf | Honduras: Central |
| 86-002776 | 86-001740 |
| Greece: Saronikos Gulf | Hungary |
| 86-004279 | 86-003384 |
| Greenland | 86-003387 |
| 86-001581 | Hungary: Lake Balaton |
| Greenland: Lake Tasersuaq | 86-001219 |
| 86-004210 | 86-001690 |
| Guam | 86-003641 |
| 86-002078 | 86-004601 |
| Gulf of Mexico | Iceland |
| 86-000682 | 86-000653 |
| 86-000693 | Iceland: River Grimsa |
| 86-000714 | 86-005591 |
| 86-000735 | Idaho |
| 86-001087 | 86-001837 |
| 86-001088 | 86-004673 |
| 86-001138 | 86-005362 |
| 86-001141 | 86-005440 |
| 86-001254 | 86-005441 |
| 86-001268 | 86-005482 |
| 86-001625 | Idaho: Bear Lake |
| 86-001670 | 86-004549 |
| 86-001792 | Idaho: Clearwater River |
| 86-003183 | 86-001561 |

GEOGRAPHIC INDEX

- Idaho: Henry's Fork
 86-001950
 Idaho: Henry's Fork Snake River
 86-005438
 Idaho: Lake Pend Oreille
 86-002694
 Idaho: Salmon River
 86-003016
 Illinois
 86-000502
 86-000525
 86-000651
 86-000676
 86-001955
 86-002584
 86-004240
 Illinois: Coles Cty. Ridge Lake
 86-003306
 86-003307
 Illinois: Illinois River
 86-002831
 Illinois: Interior Low Plateau
 86-000754
 Illinois: Johnson Cty.: Dutchman Ck.
 86-004299
 Illinois: Jordan Creek
 86-000122
 Illinois: Lake Shelbyville
 86-004597
 India
 86-000033
 86-000043
 86-000045
 86-000256
 86-000784
 86-002126
 86-002985
 86-003384
 86-003387
 86-003455
 India: Andhra Pradesh
 86-005118
 India: Bay of Bengal
 86-000738
 India: Bhavanisagar Reservoir
 86-005617
 India: Bombay
 86-001150
 India: Calicut
 86-001256
 India: Kakinada
 86-000557
 86-001139
 India: Karnataka
 86-000745
 India: Kashmir: Dal Lake
 86-000700
 India: Kota District
 86-000779
 India: Mandapam
 86-000030
 86-000055
 86-000530
 India: Nagarjunasagar Reservoir
 86-005616
 India: Palk Bay
 86-000639
 India: Rajasthan: Lakhotia Lake
 86-000548
 India: Vizhinjam
 86-000548
 India: Yamuna River
 86-000937
 Indian Ocean
 86-000134
 86-000161
 86-000515
 86-000528
 86-000646
 86-000758
 86-000760
 86-000925
 86-001150
 86-001204
 86-001257
 86-001260
 86-001261
 86-001826
 86-002276
 86-002696
 86-002851
 86-002866
 86-002871
 86-003720
 86-004222
 86-004267
 86-004414
 86-004933
 86-005083
 86-005087
 86-005088
 86-005117
 86-005481
 86-005631
 86-005632
 86-005637
 86-005638
 86-005669
 Indian Ocean: Chagos Archipelago
 86-004744
 Indiana
 86-002844
 86-002921
 86-004338
 86-004383
 86-004753
 Indiana: Interior Low Plateau
 86-000754
 Indiana: LaPorte Cty.: Kinross Fish Wildl. Area
 86-002868
 Indonesia
 86-003383
 Iowa
 86-002863
 86-003196
 Iowa: Clear Lake
 86-004311
 Iowa: Dickinson Cty.: West
 86-004459
 Iran
 86-005022
 Iraq
 86-002020
 86-002190
 Iraq: Tartar Reservoir
 86-002217

GEOGRAPHIC INDEX

. . CONTINUED . .

Irish Sea

86-002560
86-004309
86-004575
86-004625
86-005121

Israel

86-000038
86-000056
86-000057
86-000454
86-001282
86-001297
86-002028
86-002104
86-002227
86-003584
86-004317

Israel: Lake Kinneret

86-001668
86-001688
86-004803

Israel: River Jordan

86-001995

Italy

86-000814
86-002585
86-005050
86-005057

Italy: Lago di Annone

86-004501

Italy: Po River Delta

86-004250

Ivory Coast

86-002117

Japan

86-000153
86-000462
86-000505
86-000546
86-000547
86-000632
86-000638
86-000650
86-000703
86-000921
86-001107
86-001126
86-001310
86-002109
86-002720
86-002778
86-003253
86-003483
86-004135
86-004302
86-004375
86-004517
86-004732
86-004790
86-004892
86-005055
86-005129
86-005130
86-005409
86-005654
86-005664
86-005666
86-005676

Japan: Chicago Estuary

86-001656

Japan: Chitose River

86-004418

Japan: Hokkaido: Assabu River

86-003729

Japan: Hokkaido: Ohno River

86-003747

Japan: Miyake-jima

86-001702

Japan: Mu River

86-002726

Japan: Sagami Bay

86-001654

86-004275

Japan: Saru River

86-002726

Japan: Sendai Bay

86-004523

Japan: Seto Sea

86-002829

86-002830

Japan: Shin Tone River

86-000592

Japan: Suo-nada

86-001700

Japan: Suruga Bay

86-002700

86-002738

86-004544

Japan: Tama River

86-001636

Japan: Tokachi River

86-003397

86-003398

Japan: Tosa Bay

86-000763

Japan: Wakasa Bay

86-000685

86-004461

Japan: Yurappu River

86-004266

Johnston Atoll

86-002735

Jordan: Aqaba

86-000708

Kansas

86-000798

86-003312

86-004095

Kansas: Lone Star Lake

86-004572

Kentucky

86-000582

86-000588

86-002633

Kentucky: Buck Creek

86-000755

Kentucky: Clarks River

86-001728

Kentucky: Herrington Lake

86-002836

86-003234

Kentucky: Interior Low Pl.

86-000754

Kentucky: Ohio River

86-003210

Kentucky: Rolling Fork

86-001722

Kenya: Lake Nakuru

86-004032

Korea

86-004118

Kuwait

86-000054

86-001083

86-001839

86-002105

86-002689

86-002728

86-002730

GEOGRAPHIC INDEX

. . . CONTINUED . . .

Kuwait

86-002835
86-003205
86-003206
86-003216
86-003342
86-004359

Lake Erie

86-000668
86-000968
86-001115
86-001342
86-001549
86-001663
86-001975
86-002797
86-003029
86-003289
86-004361
86-004371
86-004752

Lake Erie: Long Point Bay

86-001748

Lake Huron

86-000576
86-000739
86-001737
86-005126

Lake Michigan

86-000120
86-000566
86-000590
86-000645
86-000672
86-000676
86-000683
86-000800
86-000804
86-000805
86-000936
86-001080
86-001102
86-001103
86-001222
86-001224
86-001228
86-001737
86-001957
86-002202
86-003101
86-003657
86-004353
86-004500
86-004536
86-004542
86-005538
86-005578

Lake Michigan: Green Bay

86-001001
86-001208
86-001223

Lake Ontario

86-000657
86-000852
86-000964
86-000974
86-001090
86-001101
86-002765
86-002879
86-003070
86-003217
86-004363

. . . CONTINUED . . .

Lake Superior

86-000662
86-001168
86-002208
86-002706
86-003195
86-003634
86-005126

Lake Tanganyika

86-004278
86-004373
86-004529
86-004560
86-004619

Laos: Nam Ngum Reservoir

86-004486

Lebanon

86-003039
86-004532

Liberia

86-004890

Louisiana

86-000946
86-001625
86-002067
86-002077
86-002088
86-002203
86-002599
86-002769
86-004243

Louisiana: Bayou Sara

86-002683

Louisiana: Grand Isle

86-002855

Louisiana: Henderson Lake

86-005404

Madagascar

86-004281

Maine

86-000951
86-001105
86-001750
86-003292
86-005364

Maine: Gulf of Maine

86-000727
86-001945

Maine: Hancock Cty.: Green

86-001225

Maine: Kennebec River

86-003197

Maine: Penobscot River

86-001657

Malawi: Lake Chilwa

86-004699

Malawi: Lake Malawi

86-000667
86-001171
86-001678
86-002912

GEOGRAPHIC INDEX

| | |
|---|------------------------------|
| Marshall Islands | Mexico: Sonora: Rancho la B |
| 86-004217 | 86-001785 |
| 86-004377 | Mexico: Southern California |
| 86-004457 | 86-003347 |
| 86-004727 | 86-004736 |
| Marshall Islands. Enewetak Atoll | Michigan |
| 86-001632 | 86-000598 |
| Maryland | 86-001144 |
| 86-001856 | Michigan: Hunt Cr. |
| 86-001857 | 86-003290 |
| Maryland: Chesapeake Bay | Michigan: Au Sable River |
| 86-001251 | 86-004326 |
| Maryland. Nanticoke River | 86-005444 |
| 86-000950 | Michigan. Chippewa Cty.: St |
| Massachusetts | River |
| 86-003302 | 86-002853 |
| 86-005581 | Michigan: Crawford Cty.: Au |
| Massachusetts: Great Sippewissett Marsh | 86-001797 |
| 86-004613 | Michigan: Detroit River |
| Massachusetts: Taylor Brook | 86-000968 |
| 86-005215 | Michigan. Lake St. Clair |
| Mediterranean Sea | 86-000968 |
| 86-000529 | Michigan. Manitoulin Lakes |
| 86-000595 | 86-004692 |
| 86-000783 | Michigan: Menominee River |
| 86-001127 | 86-001247 |
| 86-001258 | Michigan: Montmorency Cty : |
| 86-001832 | 86-005471 |
| 86-001858 | Middle East |
| 86-002282 | 86-002022 |
| 86-002585 | 86-002023 |
| 86-002818 | Minnesota |
| 86-004317 | 86-002643 |
| 86-004329 | 86-003211 |
| 86-004605 | Minnesota: Lake Itasca |
| 86-004622 | 86-004614 |
| 86-004706 | Minnesota: South Branch Cree |
| 86-004743 | 86-004362 |
| 86-004801 | Mississippi |
| 86-005095 | 86-000026 |
| 86-005433 | 86-001303 |
| 86-005451 | 86-002686 |
| Mediterranean Sea | 86-003431 |
| 86-001716 | 86-004403 |
| 86-004306 | Mississippi River |
| 86-005643 | 86-000519 |
| Mexico | 86-000806 |
| 86-001764 | 86-001189 |
| 86-001775 | 86-004453 |
| 86-002705 | 86-004471 |
| 86-002850 | 86-004760 |
| Mexico: Baja California | 86-005403 |
| 86-004301 | Mississippi River, Upper |
| Mexico: Baja California: Colorado River | 86-000542 |
| 86-004666 | Mississippi: Buffalo River |
| Mexico: Baja California: Laguna Salada | 86-001717 |
| 86-004675 | Mississippi: Homochitto Riv |
| Mexico: Chihuahua | 86-001717 |
| 86-004107 | Mississippi: Little Tallaha |
| 86-005359 | 86-001598 |
| Mexico: Cuatro Ciénegas | Missouri |
| 86-000545 | 86-000833 |
| Mexico: Gulf of Mexico | 86-005363 |
| 86-002742 | Missouri: Missouri River |
| Mexico: Jalapa | 86-000636 |
| 86-004159 | Montana |
| Mexico. Laguna Chichancanab | 86-001947 |
| 86-004114 | 86-004765 |
| Mexico: Lake Chapala | 86-005209 |
| 86-003684 | 86-005454 |
| Mexico: Mesa Central | 86-005584 |
| 86-004815 | Montana: Big Hole River |
| Mexico. Nuevo Leon: Cadereyta Jimenez | 86-004682 |
| 86-005217 | Montana: Flathead River |
| Mexico: Sonora | 86-002206 |
| 86-004354 | |

Montana: Kootenai River
86-002206
86-002762
Montana: Madison River
86-005488
Montana: Missoula Cty.: Gold Creek
86-001130
Morocco
86-002030
Nebraska
86-001552
86-002870
Netherlands
86-003085
86-005221
Netherlands: Tjeukemeer
86-004611
Nevada
86-004294
Nevada: Ash Meadows
86-000811
Nevada: Gance Creek
86-000832
Nevada: Lahontan Lake
86-000669
Nevada: Lake Mohave
86-004423
Nevada: Walker Lake
86-004242
Nevada: White River
86-000792
86-001934
New England
86-005623
New Guinea
86-004845
86-004846
New Hampshire
86-001943
86-005160
New Jersey
86-002026
86-003201
86-003336
New Jersey: Raritan Bay
86-003337
86-003339
86-003354
New Jersey: Round Valley Reservoir
86-002198
New Mexico
86-004126
New Mexico: Pecos River
86-000535
New Mexico: San Juan River
86-002642
New York
86-001145
86-001963
86-001964
86-005442
New York: Adirondack Mtns
86-005163
86-005210
New York: Albany: Tivoli Lakes Urban
Wildlife Park
86-005187
New York: Black Lake
86-002737
New York: Hudson River
86-002820
86-005093
New York: Hudson River Estuary
86-000526
New York: Lake Champlain
86-000736

.. CONTINUED...
New York: Lake Champlain
86-002758
New York: Long Island
86-003057
New York: Long Island Sound
86-004566
New York: New York Bight
86-000960
New York: Niagara River
86-001148
86-003070
New Zealand
86-000034
86-000165
86-000796
86-000821
86-000822
86-001372
86-001778
86-003049
86-004358
86-004661
86-004720
86-004790
86-004792
86-004876
86-005473
86-005624
New Zealand: Ashley River
86-004589
New Zealand: Campbell Plateau
86-000660
86-000661
New Zealand: Canterbury: L
86-001685
New Zealand: Hawke Bay
86-001275
New Zealand: Kaitiaki
86-002849
New Zealand: Pauatahanui I
86-001725
New Zealand: Portraua Inlet
86-001725
New Zealand: Rakai River
86-004293
86-004772
New Zealand: Rangitikei R
86-000637
New Zealand: Smith Island
86-003032
New Zealand: Waitaki River
86-001655
Nigeria
86-003430
Nigeria: Kano State: Tiga
86-004289
Nigeria: Lake Kainji
86-003280
Nigeria: Sokoto-Rima River
86-002781
Nile River
86-004387
North America
86-000126
86-000762
86-001057
86-001356
86-001357
86-001765
86-001766
86-001999
86-002257
86-002465
86-005079
North Carolina
86-001096

... CONTINUED

North Carolina
 86-001710
 86-002599
 86-002834
 86-003218
 North Carolina: Chowan River
 86-001582
 86-005128
 North Carolina: Lake Norman
 86-000643
 North Dakota
 86-002930
 North Dakota: Devils Lake
 86-005423
 North Sea
 86-000812
 86-000945
 86-000961
 86-001265
 86-003004
 86-005082
 86-005461
 Northern Ireland
 86-001944
 86-001959
 86-002589
 86-004194
 Norway
 86-000705
 86-000967
 86-002828
 86-003363
 86-003665
 86-004277
 86-004323
 86-004342
 86-004462
 86-004490
 86-004547
 86-004637
 86-004967
 86-005110
 86-005222
 Norway: Lake Gjersjoen
 86-003626
 Norway: Lake Selura
 86-001692
 Norway: River Nidelva
 86-001949
 Norway: Vangsvatnet Lake
 86-001673
 Ohio
 86-000113
 86-000775
 86-001250
 86-001735
 86-001975
 Ohio River
 86-001842
 Ohio river
 86-003210
 Ohio: Pike Cty.: Scioto River
 86-000776
 Ohio: Richland Cty.: Clear Fork
 86-003143
 Ohio: Richland Cty.: Rocky Fork
 86-003143
 Ohio: Sandusky River
 86-002875
 Oklahoma
 86-001591
 86-001603
 86-002812
 86-002872
 86-003239

... CONTINUED ..

Oklahoma
 86-003297
 86-005429
 Oklahoma: Beaver Cty
 86-002865
 Oklahoma: Delaware Cty.
 86-004606
 Oklahoma: Harper Cty.
 86-002865
 Oklahoma: Lake Carl Bla
 86-002199
 Oklahoma: Lake Texoma
 86-003310
 Oman
 86-003204
 Oregon
 86-000594
 86-001050
 86-001172
 86-001662
 86-001715
 86-001736
 86-002727
 86-003023
 86-004197
 86-005474
 Oregon: Columbia River
 86-004534
 86-005540
 Oregon: Lane Cty.: Gras
 86-004616
 Oregon: Rogue River
 86-000924
 Oregon: Sixes River
 86-004646
 Oregon: Snake River
 86-005540
 Oregon: Tobe Ck.
 86-003191
 Oregon: Winchester Bay
 86-000761
 Pacific Ocean
 86-000137
 86-000527
 86-000560
 86-000568
 86-000591
 86-000623
 86-000625
 86-000632
 86-000642
 86-000646
 86-000666
 86-000713
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 86-000822
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 86-000931
 86-001066
 86-001091
 86-001098
 86-001108
 86-001113
 86-001137
 86-001194
 86-001204
 86-001257
 86-001341

..CONTINUED...
Pacific Ocean

86-001344
86-001348
86-001372
86-001583
86-001597
86-001602
86-001605
86-001612
86-001616
86-001618
86-001620
86-001653
86-001658
86-001660
86-001662
86-001674
86-001687
86-001691
86-001695
86-001703
86-001715
86-001736
86-001768
86-001776
86-001828
86-001974
86-002000
86-002001
86-002003
86-002007
86-002008
86-002009
86-002010
86-002012
86-002211
86-002245
86-002691
86-002718
86-002720
86-002722
86-002727
86-002756
86-002761
86-002763
86-002767
86-002774
86-002810
86-002837
86-002854
86-002857
86-002858
86-002893
86-002904
86-002910
86-002911
86-003023
86-003071
86-003293
86-003316
86-003318
86-003347
86-003351
86-003619
86-003759
86-004197
86-004217
86-004218
86-004226
86-004244
86-004268
86-004269
86-004270
86-004340
86-004368

..CONTINUED...
Pacific Ocean

86-004395
86-004409
86-004410
86-004444
86-004457
86-004513
86-004543
86-004552
86-004553
86-004574
86-004591
86-004592
86-004596
86-004647
86-004657
86-004674
86-004695
86-004700
86-004716
86-004721
86-004733
86-004736
86-004738
86-004740
86-004751
86-004764
86-004766
86-004773
86-004784
86-004791
86-004844
86-004845
86-004847
86-004848
86-004949
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86-005136
86-005140
86-005207
86-005273
86-005275
86-005439
86-005628
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86-005646
86-005648
86-005655
86-005659
86-005662
86-005668
86-005672
86-005674
86-005685
86-005686
Pacific Ocean, Southeast
86-002864
Pacific Ocean: Aleutian B
86-004300
Pacific Ocean: Bay of Kor
86-000681
Pacific Ocean: California
86-002213
Pacific Ocean: Great Barr
86-001622
86-001626
Pacific Ocean: Hawaii
86-000463
Pacific Ocean: Sitka Eddy
86-004754
Pacific Ocean: South Chin
86-000541

...CONTINUED...

Pacific Ocean: South China Sea

86-000549

Pacific Ocean: Strait of Georgia

86-002006

Pakistan: Kabri Lake

86-005081

Pakistan: Sind: Kairi Lake

86-005114

Papua New Guinea

86-000603

86-001713

86-002704

86-005125

Papua New Guinea: Sepik River

86-001994

Paraguay

86-000040

86-001787

Pennsylvania

86-002715

86-003296

86-005345

Pennsylvania: Cumberland Cty.: Letort

Spring Run

86-004679

Peru

86-001695

86-002854

86-004902

Peru: Andes

86-004525

Peru: Lake Sauce

86-004659

Philippines

86-000465

86-002759

86-003386

86-003412

86-003413

86-004355

86-004921

Philippines: Lake Lanao

86-004859

Poland

86-002821

86-003252

86-003800

86-004335

86-004654

86-004914

86-004915

86-005478

Poland: Lake Warciak

86-002710

Poland: Oder River

86-004094

Poland: River Dunajec

86-002840

86-002869

86-004617

Poland: River Nysa Klodzka

86-002874

Poland: River Peczora

86-002901

Poland: Vistula River

86-005376

Portugal

86-000751

86-004956

Portugal: Lagoon of Aveiro

86-003075

Potomac River

86-004702

Puerto Rico

86-000823

...CONTINUED...

Puerto Rico

86-000913

86-001584

86-005097

Puerto Rico: Laguna Joyuda

86-004737

Puget Sound

86-002010

Red Sea

86-003315

86-004681

86-004800

Rhode Island

86-002770

Rhode Island: Hamilton Reservoir

86-004610

Rhode Island: Narragansett Bay

86-000764

Rhode Island: Pawcatuck River

86-005093

River Jordan

86-001995

Romania: Danube River

86-005375

Sargasso Sea

86-001743

Saudi Arabia

86-002021

86-003315

Scotland

86-002882

86-003044

86-004258

Seychelles Islands

86-004704

Sierra Leone: Taita River

86-002731

Singapore

86-001293

86-002112

South Africa

86-000518

86-000606

86-000695

86-000709

86-000892

86-001684

86-001758

86-001774

86-002090

86-002091

86-002092

86-002680

86-002800

86-004595

86-004835

86-004951

86-005041

South Africa: Boskop Dam

86-003048

South Africa: Hartbeespoort Dam

86-004169

86-004502

South Africa: Kei River Estuary

86-001733

South Africa: Lake le Roux

86-004755

South Africa: Lake Sibayi

86-004820

South Africa: Mgobozeleni Lake

86-004670

South Africa: Natal

86-001232

86-002717

86-002751

| | |
|---------------------------------------|-----------------------------------|
| South Africa: Swartvlei | Switzerland: Lake Geneva |
| 86-005580 | 86-003957 |
| South Africa: Transvaal | 86-005470 |
| 86-000765 | Switzerland: Lake Joux |
| 86-001823 | 86-004391 |
| South Africa: Tyume River | 86-004546 |
| 86-004251 | Switzerland: Lake Neuchatel |
| South Africa: Zambezi River | 86-003409 |
| 86-004894 | 86-004364 |
| South America | Switzerland: Lake Sarnen |
| 86-000782 | 86-005479 |
| 86-001742 | Switzerland: Lake Thun |
| 86-002924 | 86-004345 |
| South Carolina | Syria |
| 86-000162 | 86-000155 |
| 86-001267 | 86-000767 |
| 86-003334 | 86-000827 |
| 86-001672 | Taiwan |
| South Carolina: Charleston Harbor | 86-001079 |
| 86-000732 | 86-001302 |
| South Carolina: Chesterfield Cty.: | 86-002029 |
| Carolina Sandhills Natl. Wildl. | 86-003007 |
| Refuge | 86-005013 |
| 86-004717 | 86-005015 |
| South Carolina: Cooper River | Tasmania |
| 86-001237 | 86-000533 |
| 86-002925 | Tennessee |
| South Carolina: Jocassee Reservoir | 86-000558 |
| 86-001169 | 86-000753 |
| South Carolina: Santee River | 86-003220 |
| 86-001237 | Tennessee River |
| South Carolina: Wee Tee Lake | 86-004437 |
| 86-000770 | Tennessee: Cherokee Reservoir |
| South China Sea | 86-000691 |
| 86-004712 | Tennessee: Conasauga River |
| 86-005636 | 86-001671 |
| South Dakota | Tennessee: Great Smoky Mountain |
| 86-000001 | Park: Spruce Flats Branch |
| South Dakota: Cheyenne River | 86-000710 |
| 86-005212 | Tennessee: Great Smoky Mtns. |
| South Dakota: Pennington Cty.: Slate | Park: Little River |
| Creek | 86-003213 |
| 86-005400 | Tennessee: Interior Low Plateau |
| South Dakota: Rapid City: Rapid Creek | 86-000754 |
| 86-005388 | Tennessee: Little Tennessee River |
| Spain | 86-003813 |
| 86-000881 | Tennessee: Reelfoot Lake |
| 86-003749 | 86-003207 |
| 86-004349 | Texas |
| 86-005024 | 86-000688 |
| Spain: Duero Basin | 86-001170 |
| 86-005023 | 86-002072 |
| Sri Lanka | 86-002121 |
| 86-001315 | 86-002721 |
| 86-001587 | 86-002850 |
| 86-004230 | 86-003183 |
| 86-004265 | 86-003212 |
| 86-004472 | 86-003214 |
| Sudan: Dinder Natl. Park | 86-003238 |
| 86-002859 | 86-003308 |
| Sweden | 86-005432 |
| 86-000635 | Texas: Freestone Cty. |
| 86-002804 | 86-000976 |
| 86-003078 | Texas: Galveston Bay |
| 86-004257 | 86-002027 |
| 86-004460 | 86-005427 |
| 86-004778 | Texas: Kerr Cty.: Fessenden |
| 86-005395 | 86-000626 |
| 86-005469 | Texas: Lake Mackenzie |
| Switzerland: Lake Constance | 86-000503 |
| 86-001541 | Texas: Lake Texoma |
| 86-003544 | 86-003310 |
| 86-003787 | Texas: San Marcos River |
| 86-004516 | 86-002807 |
| 86-005486 | Thailand |
| | 86-000037 |

...CONTINUED..
 Thailand
 86-000457
 86-002914
 86-002919
 86-002998
 86-003382
 86-003383
 86-003474
 Tibet: Qinghai-Xizang Plateau
 86-005191
 Trinidad
 86-005683
 Tunisia
 86-002106
 86-004346
 Turkey
 86-000827
 United Kingdom
 86-003219
 86-003262
 United States
 86-001281
 86-001868
 86-001938
 86-002012
 86-003250
 86-004684
 86-004707
 86-005015
 86-005055
 86-005613
 86-005619
 United States, North Central
 86-003077
 United States, Northeastern
 86-003065
 86-003292
 86-005169
 86-005609
 United States, Northwest
 86-003169
 United States, Southeastern
 86-005452
 United States, Southwestern
 86-005360
 United States: Mississippi River
 86-000519
 Uruguay
 86-003892
 USSR
 86-000694
 86-000772
 86-000846
 86-000849
 86-000859
 86-001291
 86-001871
 86-002250
 86-002771
 86-002878
 86-003373
 86-003750
 86-004344
 86-004916
 86-004927
 86-005040
 USSR: Amur River
 86-002697
 USSR: Dagestan: Arakum Reservoirs
 86-000686
 USSR: Dnieper Reservoir
 86-003893
 USSR: Dnieper-Bug Estuary
 86-000551
 USSR: Don River
 86-001752

.. CONTINUED..
 USSR: Don River
 86-003775
 USSR: Gulf of Finland
 86-004280
 USSR: Ivan'kovo Reservoir
 86-005380
 USSR: Kamchatka
 86-000466
 86-000702
 86-002805
 USSR: Kamchatka River
 86-000720
 86-003690
 USSR: Kamchatka: Ozernaya
 86-002409
 USSR: Kremenchug Reservoir
 86-004641
 USSR: Kuban River
 86-001946
 USSR: Lake Baikal
 86-002389
 86-002746
 USSR: Lake Chukcha
 86-002701
 USSR: Lake Ladoga
 86-004246
 USSR: Lake Sartlan
 86-004937
 USSR: Latvia
 86-002928
 USSR: Mozhaysk Reservoir
 86-000539
 86-004580
 USSR: Okhotsk Sea
 86-002688
 USSR: Omsk
 86-004926
 USSR: Rioni River
 86-004789
 USSR: River Tom
 86-004918
 USSR: Rybinsk Reservoir
 86-004206
 USSR: Sakhalin
 86-004411
 86-004431
 USSR: Sea of Azov
 86-001747
 86-001970
 USSR: Seyan
 86-002729
 USSR: Shantar Islands
 86-000124
 USSR: Southern Primorye
 86-001585
 USSR: Tyumen
 86-004931
 86-004934
 86-004935
 USSR: Ural River
 86-001760
 USSR: Ust'Ilimskoe Reservoir
 86-000540
 USSR: Volga Delta
 86-002684
 USSR: Volga River
 86-001757
 86-001759
 86-001968
 USSR: White Sea
 86-004480
 Utah
 86-004129
 Utah: Bear Lake
 86-004549

| | |
|---------------------------------|--------------------------|
| 86-002105 | 86-000178 |
| Egg Collection | Acipenser gueldenstaedti |
| 86-002105 | Abundance/Factors of |
| Fingerling Production | 86-001752 |
| 86-002105 | Biochemical Composition |
| Parasites/Diseases | 86-001288 |
| 86-005085 | Culture/Propagation |
| Parasitic Copepods | 86-001288 |
| 86-005085 | 86-001239 |
| Population Studies | 86-001311 |
| 86-002730 | 86-002094 |
| Acanthoplesions psilogaster | Distribution/Factors of |
| New Species | 86-002867 |
| 86-000822 | Endocrinology |
| Acanthuridae | 86-001400 |
| Reef Fish Communities | Feeding Experiments |
| 86-004550 | 86-001311 |
| Trophic Relationships | Feeds |
| 86-004550 | 86-001311 |
| Acanthuroidei | Flow Regimes |
| Early Development | 86-001752 |
| 86-004862 | Hormones |
| Taxonomy | 86-001400 |
| 86-004862 | Inbreeding |
| Acestrorhynchinae | 86-001289 |
| Karyotypes | Metabolic Rates |
| 86-001529 | 86-001395 |
| Acheilognathus rhombea | Pond Culture |
| Endocrinology | 86-001288 |
| 86-000383 | 86-002094 |
| Reproduction | Respiration |
| 86-000383 | 86-001395 |
| Acipenser | Salinity |
| Electrophoresis | 86-002867 |
| 86-002608 | Spawning |
| Acipenser baeri | 86-001752 |
| Culture/Propagation | Temperature |
| 86-001316 | 86-002867 |
| Diets | Acipenser oxyrinchus |
| 86-001316 | Cell Culture |
| Embryology | 86-002451 |
| 86-003934 | Culture/Propagation |
| Feeding Experiments | 86-002128 |
| 86-001316 | Life History/General |
| Metabolic Rates | 86-000526 |
| 86-003934 | 86-001057 |
| Acipenser brevirostrum | Management/Research--E |
| Culture/Propagation | 86-000526 |
| 86-002128 | Management/Research--G |
| Habitat Selection | 86-001057 |
| 86-004390 | 86-002128 |
| Management/Research--General | Movements |
| 86-002128 | 86-000526 |
| Movements | Acipenser oxyrinchus de |
| 86-000629 | Exploitation Rates |
| Spawning | 86-000563 |
| 86-004390 | Habitat Selection |
| Acipenser fulvescens | 86-000563 |
| Culture/Propagation | Life History/General |
| 86-000020 | 86-000563 |
| Early Development | Management/Research--R |
| 86-000178 | Streams |
| Lamprey Parasitism | 86-000563 |
| 86-001853 | Meristic Studies |
| Management/Research--Lakes | 86-003810 |
| 86-005573 | Movements |
| Management/Research--Rivers and | 86-000563 |
| Streams | Taxonomy |
| 86-001247 | 86-003810 |
| Parasites/Diseases | Variation Studies |
| 86-001853 | 86-003810 |
| Population Studies | Acipenser persicus colch |
| 86-001247 | Taxonomy |
| | 86-004789 |

Acipenser ruthenus
 Ependyma
 86-003741
 Hypothalamic-Hypophyseal System
 86-000198
 86-000300
 Karyotypes
 86-004140
 Nervous System
 86-003741
Acipenser stellatus
 Brood Stock
 86-001290
 Culture/Propagation
 86-001290
 86-002094
 Embryology
 86-002244
 Endocrinology
 86-001400
 Hormones
 86-001400
 Meristic Studies
 86-003775
 Pond Culture
 86-002094
 Temperature
 86-002244
Acipenser transmontanus
 Adenoviridae
 86-000899
 Adenovirus
 86-005050
 Age/Growth
 86-002066
 Amino Acids
 86-000399
 Blood Chemistry
 86-000399
 Culture/Propagation
 86-002066
 86-002068
 86-003443
 86-003561
 Diets
 86-003561
 Digestive System
 86-001408
 86-002312
 Early Development
 86-000178
 Economics
 86-002068
 Egg Quality
 86-003443
 Electrophoresis
 86-004091
 Endocrinology
 86-000403
 Enzymes
 86-001408
 86-002312
 Feeding Experiments
 86-003561
 Feeds
 86-003561
 Growth Hormone
 86-000403
 Life History/General
 86-004252
 Management/Research--General
 86-004252
 Osmoregulation
 86-000327
 Parasites/Diseases
 86-000899

.. CONTINUED ..
Acipenser transmontanus
 Parasites/Diseases
 86-005050
 Reproduction
 86-000316
 Reproductive System
 86-000221
 Starvation
 86-000399
 Status
 86-004252
 Status/Idaho
 86-004673
 Temperature
 86-000178
 Viral Diseases
 86-000899
 86-005050
Acipenseridae
 Abundance/Factors of
 86-001759
 86-001760
 Culture/Propagation
 86-000039
 86-000517
 86-003392
 Excretory System
 86-002237
 Floods
 86-001759
 Flow Regimes
 86-001630
 86-001759
 Kidney
 86-002237
 Life History/General
 86-000517
 Management/Research--Rivers and
 Streams
 86-001968
 Predator/Prey Relationships
 86-001760
 Reproductive System
 86-003750
 Salinity
 86-001630
 Spawning
 86-001630
 Stocking/Introductions
 86-001968
 Supplemental Stocking
 86-001968
Acipenseriformes
 Digestive System
 86-000659
 Foods/Feeding
 86-000659
Actinopterygii
 Enzymes
 86-003859
 Evolution
 86-000836
Adinia xenica
 Early Development
 86-001358
 86-001359
 Embryology
 86-000131
Aequidens curviceps
 Foods/Feeding/Selectivity
 86-000671
Aequidens pulcher
 Endocrinology
 86-000336
 Pituitary
 86-000336

Aethotaxis mitopteryx

Body Form

86-004175

Buoyancy Adjustment

86-004175

Aquathia

Blood Chemistry

86-003878

Hormones

86-004005

Metabolism

86-004005

Mouth Parts

86-003715

Offaction

85-003715

Reproduction

86-003870

Respiration

86-003844

Aquostoxys monticola

Blood Chemistry

86-003858

Aquosia chrysogaster

Management/Research - General

86-005338

Spawning

86-004407

Status

86-004354

Aquaratchichys

New Genus

86-004902

Aquaratchichys cornutus

New Species

86-004902

Alburnus alburnus

Competition

86-000705

Foods/Feeding

86-000705

Hybridization

86-004094

Movements

86-004442

Alburnus alburnus alburnella

Prelation/Prey Relationships

86-004501

Trophic Relationships

86-004501

Alburnus bipunctatus

Length-Weight Relationships

86-002841

Alpsasan nidea

Skeletal System

86-004491

Alepocephalus longiceps

Distribution/Geographical

86-004712

Alopias vulpinus

Foods/Feeding

86-002791

Alosa aestivalis

Foods/Feeding

86-001582

Nets/Netting

86-001971

Sampling

86-001971

Spawning

86-001502

Alosa alosa

Movements

86-004443

Rheotoxin

86-004443

10/21/11

Alosa alosa

Spawning

86-000

Temperature

86-004

Temperature

86-004

Alosa alosa

Temperature

86-000

Alosa alosa

Parasites

86-001

Alosa alosa

Abundance

86-000

Abundance

86-000

Acid Pe

86-001

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86-005544
 Survival
 86-000793
 Tank Culture
 86-001307
 Year Class Strength
 86-002713
Alticus kirki
 Life History/General
 86-000531
 Terrestrial Grazing
 86-000531
Ambassis agrammus
 Early Development
 86-001389
 Spawning
 86-001389
Ambloplites rupestris
 Fright Behavior
 86-000474
 Predator/Prey Relationships
 86-000474
 Spawning
 86-004426
Amblyopsis rosae
 Distribution/Geographical
 86-000786
 Habitat Selection
 86-000786
Amia calva
 Air Breathing
 86-000331
 Blood Chemistry
 86-002317
 Early Development
 86-002219
 Embryology
 86-002218
 86-002219
 Nervous System
 86-000331
 Respiration
 86-000331
 86-002399
 Steroids
 86-002317
Ammocrypta beanii
 Life History/General
 86-002686
Ammodytes
 Predator/Prey Relationships
 86-002662
 Schooling Behavior
 86-002662
Ammodytes americanus
 Foods/Feeding
 86-004566
Ammodytes hexapterus
 Abundance/Factors of
 86-001749
 Predator/Prey Relationships
 86-001749
Ammodytes lancea
Aeromonas salmonicida
 86-004957

Life History/General
 86-001601
 Mortality Factors
 86-000712
 Predator/Prey Relationships
 86-000712
 Starvation
 86-004078
Ammodytoidei
 Early Development
 86-004900
 Taxonomy
 86-004900
Ammotretis rostratus
 Early Development
 86-003694
 Embryology
 86-003694
Amphiprion
 Cardio-Vascular System
 86-003757
 Hypothalamic-Hypophyseal S
 86-003995
Amphiprion
 Symbiosis
 86-001554
Amphiprion clarkii
 Age/Growth
 86-001702
 Protandry
 86-001702
Anabas testudineus
 Air Breathing
 86-003761
 Olfaction
 86-003778
 Respiratory System
 86-003761
Anarchichas lupus
 Osmoregulation
 86-004034
Anarchichas lupus
 Spawning
 86-000615
Anchoa
 Nets/Netting
 86-005498
 Trawls
 86-005498
Anchoa mitchilli
 Fish Preservation
 86-002252
 Karyotypes
 86-000440
 Otoliths
 86-002252
Anguilla
 Distribution/Geographical
 86-001714
 86-001716
 86-001727
 Distribution/Vertical
 86-004446
 Fish Stocks
 86-001714

Anguilla
 Life History/General
 86-001714
 Meristic Studies
 86-001714
 Movements
 86-004446
 Otoliths
 86-004446
 Variation Studies
 86-001714
 Anguilla americana
 Fish Passage
 86-001198
 Fish Pumps
 86-001198
 Anguilla anguilla
 Aeromonas hydrophila
 86-004981
 Age/Growth
 86-001708
 86-004642
 Age/Length Composition
 86-004283
 Aluminum
 86-005256
 Amino Acids
 86-003851
 Bacterial Diseases
 86-004981
 Biochemical Composition
 86-001404
 86-003867
 Biomanipulation
 86-000949
 Blood Chemistry
 86-002500
 86-002559
 Cachexia
 86-000949
 Catchability
 86-005494
 Catecholamines
 86-002320
 86-002514
 Cortisol
 86-002500
 Culture/Propagation
 86-000086
 86-001306
 86-002136
 86-002137
 86-003425
 86-003428
 Currents
 86-001726
 Diets
 86-002137
 Digestive System
 86-003851
 Distribution/Factors of
 86-001726
 Endocrinology
 86-002424
 86-002498
 86-002559
 86-003837
 86-003867
 Epilemeria anguillae
 86-002982
 Eulan WA New
 86-003124
 Feeding Experiments
 86-000086
 86-002136

Anguilla anguilla
 Feeding Experiments
 86-002137
 86-004429
 Leads
 86-000086
 86-002136
 86-004429
 Flow Regimes
 86-004447
 Harvest
 86-004351
 Heated Water
 86-004428
 Heavy Metals
 86-000949
 86-005256
 Hormones
 86-000256
 Hydrostatic Pressure
 86-002599
 86-005256
 86-002748
 Imbedded Migration
 86-001427
 Life History/General
 86-004345
 Lipid Composition
 86-001304
 Lunar Influences
 86-005494
 Maturation
 86-002498
 Metamorphosis
 86-001708
 Movements
 86-004445
 86-004447
 Mycobacterium fortuitum
 86-002984
 Nephroblastoma
 86-005106
 Netting/Retting
 86-004284
 Osmoregulation
 86-002559
 86-004929
 Parasitic Diseases
 86-002974
 86-002982
 86-002984
 86-004981
 86-005106
 pH
 86-004929
 Pollution
 86-000137
 Polychlorinated Biphenyls
 86-001862
 Population Studies
 86-001611
 86-004306
 86-004351
 Predator/Prey Relations
 86-000679
 Pressure Effects
 86-002749
 Protozoan Diseases
 86-002982
 86-002984
 Reproduction
 86-002424
 Sex Ratios
 86-004284
 Spawning
 86-002748

. CONTINUED...
Anguilla anguilla
 Spawning Migration
 86-002748
 Starvation
 86-001404
 Temperature
 86-002672
 86-004447
 Temperature Selection
 86-002672
 Trophic Relationships
 86-000679
 Vision
 86-003701
 Wind
 86-004447
 86-005494
 Yield
 86-004306
Anguilla australis
 Cardio-Vascular System
 86-002402
 Foods/Feeding
 86-001685
Anguilla australis schmidtii
 Blood Chemistry
 86-000247
 Hypoxia
 86-000247
 Respiration
 86-000247
Anguilla japonica
 Aeromonas salmonicida
 86-004976
 Age/Growth
 86-004649
 Bacterial Diseases
 86-000877
 86-004976
 86-004988
 Batrachobdella smaragdina
 86-005132
 Blood Chemistry
 86-003980
 86-004050
 86-004988
 Branchiomyces
 86-005019
 Collagen
 86-004027
 Copper
 86-005293
 Culture/Propagation
 86-001302
 86-003422
 Digestive System
 86-001507
 Edwardsiella tarda
 86-000877
 Endocrinology
 86-003909
 86-003982
 Enzymes
 86-001507
 Filtration Systems
 86-003422
 Fungal Diseases
 86-005019
 Gill Diseases
 86-005019
 Gyrodactylus
 86-005130
 Heavy Metals
 86-005246
 86-005293

...CONTINUED...
Anguilla japonica
 Immunization
 86-000877
 Inflammatory Response
 86-004050
 Leeches
 86-005132
 Mucus
 86-001506
 Osmoregulation
 86-002293
 86-003909
 Oxygen
 86-004649
 Parasites/Diseases
 86-000877
 86-003422
 86-004976
 86-004988
 86-005019
 86-005130
 86-005132
 Pond Culture
 86-001302
 Recirculating Systems
 86-003422
 Trematodes
 86-005130
 Ulcer Disease
 86-004976
 Zinc
 86-005246
Anguilla rostrata
 Activity Patterns
 86-004190
 Aeromonas hydrophila
 86-002945
 Age/Growth
 86-000732
 Anesthetics
 86-001887
 Antimycin
 86-003109
 Bacterial Diseases
 86-002945
 Copper Sulfate
 86-003109
 Diquat
 86-003109
 Distribution/Geographical
 86-001581
 86-001743
 Dylox
 86-003109
 Endocrinology
 86-002319
 Enzymes
 86-002319
 Food Conversion Efficiency
 86-001419
 Foods/Feeding
 86-004519
 Formalin
 86-003109
 86-003123
 Furanace
 86-003109
 Growth Stimulants
 86-002348
 Home Range
 86-000473
 Hormones
 86-002348
 Immune Response
 86-002945

.. CONTINUED...

Anguilla rostrata
 Life History/General
 86-001581
 Malachite Green
 86-003123
 Maturation
 86-001581
 Metabolic Rates
 86-001419
 Metamorphosis
 86-001427
 86-002360
 Movements
 86-001657
 86-002770
 MS-222
 86-001887
 Musculature
 86-002360
 Mutagens
 86-004108
 Osmoregulation
 86-002362
 Parasites/Diseases
 86-002925
 86-002927
 86-002945
 Population Studies
 86-000473
 Potassium Permanganate
 86-003109
 86-003123
 Rotenone
 86-003109
 Salt
 86-003109
 Sex Ratios
 86-000732
 Temperature
 86-001419
Anguillidae
 Culture/Propagation
 86-000034
Anguilliformes
 Early Development
 86-003691
 Taxonomy
 86-004897
Anoplopoma fimbria
 Age/Growth
 86-000717
 86-002827
 86-004652
 Nematodes
 86-001837
 Parasites/Diseases
 86-001837
Antennarius
 Aquariums
 86-000090
 Culture/Propagation
 86-000090
Anthias squamipinnis
 Home Range
 86-004212
 Sex Reversal
 86-004212
 86-004213
 Social Behavior
 86-004213
Antipodocottus galathea
 Taxonomy
 86-004876
Apeltes quadracus
 Orientation/Homing
 86-004161

.CONTINUED...

Apeltes quadracus
 Salinity
 86-004161
 Spawning
 86-001634
Aphanius dispar
 Hybridization
 86-001551
Aphanius fasciatus
 Hybridization
 86-001551
Aphredoderus sayanus
 Identification/Larvae
 86-003756
Aphyosemion
 Taxonomy
 86-004890
Aphyosemion schmitti
 Taxonomy
 86-004890
Apistogramma borellii
 Aquariums
 86-003603
 Culture/Propagation
 86-003603
Apistogramma hongloi
 Aquariums
 86-003602
 Culture/Propagation
 86-003602
Aplodinotus grunniens
 Acanthocephala
 86-001842
 Lintaxine cokeri
 86-003029
 Parasites/Diseases
 86-001842
 86-003029
Pamphorhynchus rocci
 86-001842
 Trematodes
 86-003029
Apogon
 Karyotypes
 86-002611
 Taxonomy
 86-002611
Apogon arobianensis
 Status
 86-002907
 Taxonomy
 86-002907
Apogon chalcus
 New Species
 86-004825
Apogon ellioti
 Acanthocephalum
 86-005087
 Cestodes
 86-005087
 Parasites/Diseases
 86-005087
Apogon nigrofasciatus
 Status
 86-002907
 Taxonomy
 86-002907
Apogonidae
 Karyotypes
 86-004144
Apteronotus albifrons
 Nervous System
 86-003682
Apteronotus leptorhynchus
 Acoustico-Lateralis System
 86-002301

Electrophysiology
 86-002301
Arapaima gigas
 Age/Growth
 86-004659
Archoplites interruptus
 Parasites/Diseases
 86-001793
Archosargus probatocephalus
 Aquariums
 86-000112
 Copper
 86-001921
 Heavy Metals
 86-001921
 Karyotypes
 86-002599
Archosargus unimaculatus
 Age/Growth
 86-001707
 Condition Factors
 86-001707
 Length-Weight Relationships
 86-001707
Arctica islandica
 Biomagnification
 86-003083
 Heavy Metals
 86-003083
 Hydrocarbons
 86-003083
 Polychlorinated Biphenyls
 86-003083
 Trace Metals
 86-003083
Arctoscopus japonicus
 Harvest
 86-000546
 Life History/General
 86-000546
Argentina elongata
 Competition
 86-000660
 Foods/Feeding
 86-000661
 Foods/Feeding/Selectivity
 86-000660
Argentinoidei
 Early Development
 86-004783
 Taxonomy
 86-004783
Argyropelecus hemigymnus
 Bioluminescence
 86-001470
Argyrosomus argentatus
 Enzymes
 86-000262
Argyrosomus hololepidotus
 Foods/Feeding
 86-000695
 Predator/Prey Relationships
 86-000695
Archosargus probatocephalus
 Culture/Propagation
 86-000112
Ariopsis bonillai
 Age/Growth
 86-004330
 Length-Weight Relationships
 86-004330
 Mortality Rates
 86-004330
 Population Studies
 86-004330

Aquatic Plant Control
 86-003419
 Brood Stock
 86-003479
 Chromosome Studies
 86-004092
 Culture/Propagation
 86-002096
 86-003462
 86-003479
 Digestive System
 86-000203
 Electrophoresis
 86-000445
 Enzymes
 86-000203
 Induced Maturation
 86-002096
 86-003462
 Karyotypes
 86-004092
 Temperature Selection
 86-000472
 Trophic Relationships
 86-004565
Arius felis
 Cage Culture
 86-002027
 Copper
 86-001921
 Culture/Propagation
 86-002027
 Heated Water
 86-002027
 Heavy Metals
 86-001921
 Power Plant Effluents
 86-002027
Arius tenuispinis
 Nodular Excrescences
 86-005145
 Parasites/Diseases
 86-005145
Arius thalassinus
 Acanthocephalum
 86-005087
 Cestodes
 86-005087
 Healing
 86-003823
 Lipid Composition
 86-003822
 Parasites/Diseases
 86-005087
Arnoglossus laterna
 Acanthocephala
 86-005095
 Acanthocephaloides genetics
 86-005095
 Parasites/Diseases
 86-005095
Arnoglossus thori
 Age/Growth
 86-001706
 Foods/Feeding
 86-004605
 Metabolic Rates
 86-001706
Artediiellus
 Distribution/Geographical
 86-004256
 Life History/General
 86-004256
 Taxonomy
 86-004256

| | |
|---------------------------|------------------|
| Artemius | Auchenipteridae |
| Taxonomy | Aquariums |
| 86-002916 | 86-002179 |
| Astatotilapia elegans | Culture/Propa |
| Mouth Parts | 86-002179 |
| 86-003726 | Auchenoglanis o |
| Skeletal System | Life History/ |
| 86-003726 | 86-004289 |
| 86-003727 | Awaous tajassica |
| Astyanax bimaculatus | Distribution/ |
| Reproduction | 86-002850 |
| 86-003998 | Bairdiella chry |
| Reproductive System | Bioenergetics |
| 86-002743 | 86-000211 |
| 86-003998 | Ballistes capris |
| Spawning | Age/Growth |
| 86-002743 | 86-000735 |
| Astyanax fasciatus | Offshore Dr |
| Light | 86-000735 |
| 86-000501 | Ballistoidei |
| Photoperiodism | Early Develop |
| 86-000501 | 86-003678 |
| Speciation | Barbinae |
| 86-004156 | Karyotypes |
| Atheresthes evermanni | 86-004123 |
| Electrophoresis | Barbus |
| 86-002610 | Evolution |
| Taxonomy | 86-001762 |
| 86-002610 | 86-001763 |
| Atheresthes stomias | Hybridizatio |
| Electrophoresis | 86-000443 |
| 86-002610 | 86-000444 |
| Taxonomy | Morphology |
| 86-002610 | 86-001762 |
| Atherinidae | 86-001763 |
| Calyptospora funduli | Taxonomy |
| 86-002977 | 86-001762 |
| Distribution/Geographical | 86-001763 |
| 86-004724 | 86-002890 |
| Evolution | Variation St |
| 86-004815 | 86-002890 |
| Life History/General | Barbus aeneus |
| 86-004295 | Digestion Re |
| 86-004724 | 86-002357 |
| Nets/Netting | Digestive Sy |
| 86-005506 | 86-003699 |
| Parasites/Diseases | Early Devel |
| 86-002977 | 86-003699 |
| Protozoan Diseases | Metabolic R |
| 86-002977 | 86-000243 |
| Speciation | Respiration |
| 86-004815 | 86-000243 |
| Taxonomy | Temperature |
| 86-004815 | 86-000243 |
| Atheriniformes | 86-002357 |
| Early Development | Barbus barbus |
| 86-004910 | Age/Growth |
| Taxonomy | 86-004640 |
| 86-004910 | Culture/Pro |
| Atherinomorpha | 86-003446 |
| Taxonomy | Fingerling |
| 86-004807 | 86-003446 |
| Atherinops affinis | Length-Weig |
| Distribution/Geographical | 86-002841 |
| 86-004709 | Meristic St |
| Atherinopsinae | 86-003749 |
| Evolution | Variation S |
| 86-000841 | 86-003749 |
| Taxonomy | Barbus barbus |
| 86-000841 | Eimeria |
| Atherinosoma wallacei | 86-005024 |
| New Species | Parasites/I |
| 86-004882 | 86-005024 |
| 86-004883 | Protozoan I |
| Atractoscion aequidens | 86-005024 |
| Foods/Feeding | |
| 86-002800 | |

- Barbus burchelli*
 Life History/General
 86-000518
Barbus callensis
 Population Studies
 86-004346
Barbus canis
 Hybridization
 86-000454
Barbus chantrei
 Taxonomy
 86-000826
Barbus conchionus
 Lymphatic System
 86-000304
Barbus continii
 Hybridization
 86-000454
Barbus holubi
Lernaea barnimiani
 86-003048
 Parasites/Diseases
 86-003048
 Parasitic Copepods
 86-003048
Barbus longiceps
 Hybridization
 86-000454
Barbus luteus
 Meristic Studies
 86-002217
Barbus marequensis
Collops ranarum
 86-001823
 Parasites/Diseases
 86-001823
 Parasitic Copepods
 86-001823
Barbus meridionalis
 Length-Weight Relationships
 86-002841
Barbus sharpeyi
 Age/Growth
 86-002811
Barbus trevelyani
 Life History/General
 86-004251
Bardus apoensis
 Culture/Propagation
 86-002021
Basilichthys australis
 Life History/General
 86-004295
Basilichthys bonariensis
 Condition Factors
 86-001705
Bathylagidae
 Foods/Feeding
 86-001669
 86-002779
Bathylagus
 Taxonomy
 86-000825
Bathylchnops exilis
 Life History/General
 86-000560
 Morphology
 86-000560
Bathyraja andriashevi
 New Species
 86-001768
Bathyraja bergi
 New Species
 86-001768
Bathyraja fedorovi
 New Species
 86-001768
Bathyraja isotrachys
 New Species
 86-001768
 Taxonomy
 86-001768
Bellops
 New Genus
 86-000822
Bellops xanthokrossos
 New Species
 86-000822
Beloniformes
 Early Development
 86-004808
 Taxonomy
 86-004808
Benthalbella infans
 Bioluminescence
 86-000284
Benthophilus
 Fecundity
 86-001648
 Maturation
 86-001648
 Morphology
 86-002273
 Spawning
 86-001648
Berryteuthis magister
 Life History/General
 86-004302
Beryciformes
 Early Development
 86-004855
 Taxonomy
 86-004855
Betta
 Aquariums
 86-003606
 Culture/Propagation
 86-003606
Betta splendens
 Aggressive Behavior
 86-004162
Bivibranchia notata
 New Species
 86-000839
Blenniidae
 Foods/Feeding/Selectivity
 86-004622
 Identification/Larvae
 86-004809
 Mouth Parts
 86-003714
 Skeletal System
 86-004799
 Taxonomy
 86-004799
 Vision
 86-003816
Blennini
 Taxonomy
 86-004792
Blennioidei
 Early Development
 86-004858
 Taxonomy
 86-004868
 86-004891
Blennius normani
 Meristic Studies
 86-002239
 Taxonomy
 86-002239
Blennius ocellaris
 Meristic Studies
 86-002239

| | | | |
|-------------------------------|-----------|-------------------|-----------------|
| Taxonomy | 86-002239 | Atari Substan | 86-004044 |
| <i>Blennius pavo</i> | | Aquariums | 86-000093 |
| Liver | 86 001493 | Bioassay Tech | 86-005237 |
| <i>Blennius pholis</i> | | Cadmium | 86-001453 |
| Excretory System | 86 002343 | | 86-005249 |
| Oil Shale Effluents | 86 001120 | Chemoreceptio | 86-000483 |
| <i>Blennius riadourensis</i> | | Communication | 86-000483 |
| Meristic Studies | 86-002239 | Culture/Propan | 86-000098 |
| Taxonomy | 86-002239 | Detergents | 86-001000 |
| <i>Blechn bjoerkna</i> | | Embryology | 86-001374 |
| Food/Feeding | 86 004545 | | 86-003755 |
| Hybridization | 86 004094 | Escape Behavior | 86-004176 |
| Movements | 86 004442 | Fecundity | 86-004424 |
| Reproduction | 86 002554 | Fire Retardant | 86-005232 |
| Sex Ratios | 86-002554 | Gene Organizat | 86-001548 |
| Skeletal System | 86 002249 | Heavy Metals | 86-001453 |
| Temperature | 86 002554 | | 86-005249 |
| <i>Bodianus</i> | | Liver | 86-000356 |
| Dominance | 86 000488 | Mercury | 86-005249 |
| Social Behavior | 86 000488 | Nervous System | 86-003755 |
| <i>Bodianus cylindricus</i> | | Reproduction | 86-004424 |
| Distribution/Geographical | 86 000774 | Spawning | 86-004424 |
| <i>Boremanella microlepis</i> | | Steroids | 86-000356 |
| Taxonomy | 86 002919 | Swimming Perform | 86-004182 |
| <i>Bolophthalmus bockarti</i> | | Temperature | 86-004182 |
| Gills | 86 003724 | Trialkyl-aryl | 86-005232 |
| Locomotion | 86 000477 | Brachymystax | Genetic Diverge |
| Respiratory System | 86 001724 | | 86-002580 |
| <i>Bomph. buops</i> | | Brachymystax leno | Biomagnificatio |
| Age/Growth | 86 002818 | | 86-005191 |
| Culture/Propagation | 86 001500 | Cadmium | 86-005191 |
| Endorphins | 86 000419 | Copper | 86-005191 |
| Erythrocytes | 86 001500 | Heavy Metals | 86-005191 |
| Nervous System | 86 000419 | | |

Breviraja claramaculata
 New Species
 86-000829
 Breviraja nigriventralis
 New Species
 86-000829
 Breviraja schroederi
 New Species
 86-000829
 Breviraja spinosa
 Coloration
 86-000829
 Variation Studies
 86-000829
 Brevoortia patronus
 Karyotypes
 86-000440
 Brevoortia smithi
 Karyotypes
 86-000440
 Brevoortia tyrannus
 Age/Length Composition
 86-001203
 Branchial Basket
 86-000143
 Foods/Feeding
 86-000143
 Fungal Diseases
 86-001810
 Karyotypes
 86-000440
 Management/Research--Marine
 86-001269
 Movements
 86-004463
 Parasites/Diseases
 86-001810
 Population Studies
 86-001269
 86-004463
 Brienomyrus niger
 Foods/Feeding
 86-002781
 Brosme brosme
 Distribution/Geographical
 86-001589
 Distribution/Vertical
 86-001589
 Movements
 86-001589
 Spawning
 86-001589
 Buglossidium luteum
 Foods/Feeding
 86-004605
 Buglossidium luteum
 Age/Growth
 86-001706
 Metabolic Rates
 86-001706
 Caesio teres
 Spawning
 86-001632
 Callionymidae
 Early Development
 86-004843
 Taxonomy
 86-004843
 Carapostoma anomalum
 Hybridization
 86-002595
 Oxygen
 86-001882
 Phenols
 86-001882

...CONTINUED...
 Carapostoma anomalum
 Temperature
 86-001882
 Cancellotus elongatus
 New Species
 86-004835
 Canthigaster punctatissima
 Social Behavior
 86-001565
 Spawning
 86-001565
 Capoeta damascina
 Foods/Feeding
 86-004532
 Capotobrama kuschakewitschi
 Foods/Feeding
 86-002796
 Carangidae
 Early Development
 86-003744
 Taxonomy
 86-004896
 Caranx caballus
 Identification/Larvae
 86-001393
 Morphology
 86-001393
 Caranx melampygus
 Foods/Feeding
 86-002793
 Predator/Prey Relationships
 86-002793
 Caranx ruber
 Age/Growth
 86-002816
 Digestion Rates
 86-002792
 Foods/Feeding
 86-002792
 Caranx sexfasciatus
 Identification/Larvae
 86-001393
 Morphology
 86-001393
 Carassius
 Hybridization
 86-001532
 Carassius auratus gibelio
 Liver
 86-001871
 Carassius auratus
 Aeromonas hydrophila
 86-002941
 Aeromonas salmonicida
 86-004960
 Aquariums
 86-000095
 Arousal
 86-002666
 Auditory Senses
 86-000479
 86-002639
 Bacterial Diseases
 86-001413
 86-002941
 86-004960
 Bacterial Flora
 86-001413
 Brain
 86-003807
 Cardio-Vascular System
 86-000414
 Catecholamines
 86-000270
 Caudal Neurosecretory System
 86-004077

Chlorinated biphenyls
 86-001865
 Culture/Propagation
 86-000095
 86-001305
 86-003461
 Dioxo-p-Dioxins
 95-001865
 Digestive System
 85-001370
 85-003949
 85-003950
 Digestive System/Bacterial Flora
 85-003948
 86-003949
 86-003950
 Endocrinology
 86-003381
 86-001435
 86-002437
 85-002536
 Enzymes
 86-003949
 Erian WA New
 86-003124
 Fungal Diseases
 86-005022
Gossypia carpellii
 86-005035
 Growth Hormone
 86-001471
 Hormones
 86-000261
 86-001929
 86-002437
 86-002489
 86-003942
 Ichthyophthiriasis
 86-005038
 Ichthyophthirius multifiliis
 85-005038
 Immune Response
 85-004077
 Induced Maturation
 86-003392
 86-001305
 86-003461
 Industrial Wastes
 85-003010
 Musculature
 85-002574
 Nervous System
 86-000172
 86-000251
 86-001435
 86-001519
 86-002281
 86-002286
 85-003807
 Olfaction
 86-002509
 Osmoregulation
 86-002302
 86-002455
 Parasites/Diseases
 86-001413
 85-002941
 85-003010
 85-004934
 86-004960
 86-005022
 86-005035
 86-005038
 86-005052

pH
 86-001929
 Pigments
 86-002339
 86-002546
 Pineal Body
 86-001474
 86-003973
 Protozoan Diseases
 86-005035
 86-005038
 Reproduction
 86-000381
 86-002437
 86-002489
 86-002536
 Reproductive System
 86-001424
 86-003812
 RNA
 86-002598
 Saprolegnia
 86-005022
 Steroids
 86-000349
 86-003942
 Temperature
 86-000414
 86-002574
 Thermal Pollution
 86-001871
 Triploid Fish
 86-003812
 Tumors
 86-003010
 Ulcer Disease
 86-004960
 Variation Studies
 86-002598
 Viral Diseases
 86-005052
 Vision
 86-000486
 86-000513
 86-001442
 86-001522
 86-002281
 86-002286
 86-002287
 86-002546
 86-002655
Carassius auratus gibelio
 Life History/Genera
 86-002684
Carassius auratus langsdorffi
 Polyploidy
 86-001540
 Triploid Fish
 86-001540
Carassius carassius
 Anoxia
 86-000277
 86-001447
 Blood Chemistry
 86-002490
 Culture/Propagation
 86-002098
 Eimeria
 86-005024
 Electrophoresis
 86-002621
 Eptam
 86-005308
 Herbicides
 86-005308

CONTINUED ..

| | |
|-------------------------------------|--------------------------------|
| <i>Carassius carassius</i> | <i>Carcharodon carcharias</i> |
| Hybridization | Age/Growth |
| 86-002098 | 86-004627 |
| Karyotypes | Aggressive Behavior |
| 86-001550 | 86-004199 |
| Malate Dehydrogenase | Attacks on Humans |
| 86-002621 | 86-004197 |
| Management/Research - Ponds | 86-004199 |
| 86-001613 | 86-004235 |
| Modown | 86-004739 |
| 86-005308 | Blood Chemistry |
| Nervous System | 86-003700 |
| 86-002286 | Body Temperature |
| Parasites/Diseases | 86-003849 |
| 86-004934 | Distribution/Geographical |
| 86-005024 | 86-004671 |
| Polyculture | 86-004700 |
| 86-002098 | 86-004739 |
| Polymorphism | Foods/Feeding |
| 86-002621 | 86-004199 |
| Pond Culture | 86-004478 |
| 86-002098 | 86-004607 |
| Population Studies | Heart |
| 86-001613 | 86-003700 |
| Protozoan Diseases | Life History/General |
| 86-005024 | 86-004235 |
| Respiration | Predator/Prey Relationship |
| 86-000277 | 86-004478 |
| Salinity | Temperature |
| 86-004063 | 86-003849 |
| Steroids | Vision |
| 86-002490 | 86-003719 |
| Treflan | <i>Careproctus ranula</i> |
| 86-005308 | Distribution/Geographical |
| Vision | 86-000750 |
| 86-002286 | Spawning |
| Winterkill | 86-000750 |
| 86-005612 | <i>Careproctus reinhardtii</i> |
| <i>Carassius gibelio langsdorfi</i> | Distribution/geographical |
| Eggs | 86-000750 |
| 86-002256 | Spawning |
| Pigments | 86-000750 |
| 86-002256 | <i>Catla catla</i> |
| <i>Carcharhinus</i> | Enzymes |
| Abnormalities | 86-002520 |
| 86-003781 | Ichthyophthiriasis |
| Age/Growth | 86-005038 |
| 86-004647 | Ichthyophthirius multifiliis |
| Taxonomy | 86-005038 |
| 86-002895 | Insecticides |
| <i>Carcharhinus amblyrhynchos</i> | 86-005279 |
| Age/Growth | Liver |
| 86-004632 | 86-002520 |
| Aggressive Behavior | Parasites/Diseases |
| 86-004204 | 86-005038 |
| Attacks on Humans | Phosphamidon |
| 86-004204 | 86-005279 |
| Bioenergetics | Protozoan Diseases |
| 86-004632 | 86-005038 |
| Movements | <i>Catoprin mento</i> |
| 86-004457 | Aquariums |
| Schooling Behavior | 86-001323 |
| 86-004457 | Culture/Propagation |
| <i>Carcharhinus galapagensis</i> | 86-001323 |
| Age/Growth | <i>Catostomidae</i> |
| 86-004632 | Early Development |
| Bioenergetics | 86-000144 |
| 86-004632 | Taxonomy |
| <i>Carcharhinus plumbeus</i> | 86-000144 |
| Antibiotics | <i>Catostomus commersoni</i> |
| 86-004939 | Acid Precipitation |
| Foods/Feeding | 86-001459 |
| 86-000684 | Acidification |
| Parasites/Diseases | 86-000944 |
| 86-004939 | Age/Growth |
| | 86-001405 |

Chaetodipterus faber
 Cage Culture
 86-002027
 86-002110
 Culture/Propagation
 86-002027
 86-002110
 86-003505
 Heated Water
 86-002027
 86-002110
 Induced Maturation
 86-003505
 Power Plant Effluents
 86-002027
 86-002110
Chaetodon multicinctus
 Parasites/Diseases
 86-003030
 Tumors
 86-003030
Chaetodon trifasciatus
 Territorial Behavior
 86-004218
Chaetodontidae
 Competition
 86-004181
 Reef Fish Communities
 86-004181
Chalcaburnus chalcoides mento
 Embryology
 86-002240
 Temperature
 86-002240
Champscephalus gunnari
 Age/Growth
 86-002825
 Foods/Feeding
 86-004537
Channa
 Enzymes
 86-000220
 Lactate Dehydrogenase
 86-000220
Channa argus
 Air Breathing
 86-002384
 Cardio-Vascular System
 86-002412
 Hypoxia
 86-002384
 Lipid Composition
 86-001410
 Nervous System
 86-002412
 Respiration
 86-002384
Channa maculata
 Bacterial Diseases
 86-005013
 Parasites/Diseases
 86-005013
 Pasteurella
 86-005013
Channa marulius
 Olfaction
 86-003713
Channa orientalis
 Nematodes
 86-005118
 Parasites/Diseases
 86-005118
 Philometra channai
 86-005118
Channa punctatus
 Ammonium
 86-003141

CONTINUED
Channa punctatus
 Ammonium Sulfate
 86-003133
 Blood Chemistry
 86-000255
 Carbamates
 86-005309
 Carbaryl
 86-005304
 Carbofuran
 86-005309
 Emisan
 86-003142
 Endosulfan
 86-003105
 Fenitrothion
 86-005309
 Fertilizers
 86-003133
 86-003141
 Fungicides
 86-003142
 Heavy Metals
 86-001014
 Insecticides
 86-003105
 86-005304
 Lipid Metabolism
 86-005304
 Malathion
 86-003105
 Mercury
 86-001014
 Myxosporidia
 86-002985
 Organophosphates
 86-005309
 Parasites/Diseases
 86-002985
 Phenthoate
 86-005304
 Protozoan Diseases
 86-002985
 Salinity
 86-001421
Channa striata
 Air Breathing
 86-003725
 Lernaee cyprinacea
 86-003035
 Parasites/Diseases
 86-003035
 Parasitic Copepods
 86-003035
 Respiratory System
 86-003725
Channichthys rhinoceros
 Cardio-Vascular System
 86-000140
Channidae
 Culture/Propagation
 86-000049
Chanos chanos
 Abundance/Factors of
 86-002759
 Bacterial Diseases
 86-004982
 Brood Stock
 86-002075
 Cage Culture
 86-002086
 Condition Factors
 86-004230
 Culture/Propagation
 86-000030

- Chondrichthyes*
 Harvest
 86-001138
 86-001141
 86-001154
 Heart
 86-000135
 Locomotion
 86-003780
 Reproduction
 86-003870
 Scales
 86-003780
 Variation Studies
 86-001546
Chondrostoma kinzelbachi
 New Species
 86-000827
Chondrostoma nasus
 Hybridization
 86-004120
Chondrostoma polylepis
 Distribution/Geographical
 86-001767
Goussia polylepidis
 86-000881
 Parasites/Diseases
 86-000881
 Protozoan Diseases
 86-000881
 Taxonomy
 86-001767
Chondrostoma polylepis duriensis
 New Subspecies
 86-001767
Chondrostoma polylepis polylepis
 Eimeria
 86-005024
 Parasites/Diseases
 86-005024
 Protozoan Diseases
 86-005024
Chondrostoma willkommii
 Distribution/Geographical
 86-001767
 Taxonomy
 86-001767
Chromis caerulea
 Abundance/Factors of
 86-000508
 Aggressive Behavior
 86-000508
Chromis dispilus
 Early Development
 86-001372
 Eggs
 86-001372
 Life History/General
 86-001372
 Spawning
 86-001372
Chromis notatus
 Life History/General
 86-002700
 Spawning
 86-004427
Chromis punctipinnis
 Artificial Reefs
 86-000719
 Trophic Relationships
 86-000719
Chrysoblephus puniceus
 Hermaphroditism
 86-002382
 Population Studies
 86-002717
Chrysophrys auratus
 Age/Growth
 86-002615
Chrysophrys major
 Blood Sampling
 86-001448
 Culture/Propagation
 86-002167
 86-003525
 Diets
 86-003525
 Feeding Experiments
 86-002167
 Feeds
 86-002167
 Nutrition
 86-002167
 86-003525
Cichlasoma nigrofasciatum
 Brooding Behavior
 86-000616
 Spawning
 86-000616
Cichlasoma aureum
 Aquariums
 86-002180
 Culture/Propagation
 86-002180
Cichlasoma citrinellum
 Age/Growth
 86-002674
 Aggressive Behavior
 86-002674
 Aquariums
 86-000111
 Cannibalism
 86-002674
 Culture/Propagation
 86-000111
 Foods/Feeding
 86-002674
 Spawning
 86-004429
Cichlasoma cyanoguttatum
 Parasites/Diseases
 86-002993
 Viral Diseases
 86-002993
Cichlasoma fenestratum
 Foods/Feeding/Selectivity
 86-002773
Cichlasoma minckleyi
 Evolution
 86-004124
 Speciation
 86-004124
 Taxonomy
 86-004124
Cichlasoma nigrofasciatum
 Aquariums
 86-003592
 Culture/Propagation
 86-003592
 Parasites/Diseases
 86-002993
 Spawning
 86-000618
 Territorial Behavior
 86-004205
 Viral Diseases
 86-002993
Cichlasoma panamense
 Spawning
 86-001649
Cichlasoma tetracanthum
 Crassicutis cichlasomae
 86-005151

CONTINUED

Cichlasoma tetrazanthum
 Embryology
 86-001647
 Parasites/Diseases
 86-005151
 Spawning
 86-001647
 Trematodes
 86-005151
Cichlidae
 Aquariums
 86-000108
 Blood Chemistry
 86-002553
 Culture/Propagation
 86-000108
 Dentition
 86-001385
 86-004619
 Diplostomum
 86-005090
 Evolution
 86-004145
 86-004830
 86-004874
 Foods/Feeding
 86-001678
 86-004529
 86-004560
 86-004619
 Genetic Divergence
 86-004145
 Habitat Selection
 86-004373
 Histology
 86-001375
 Identification
 86-004803
 Mouth Parts
 86-003770
 Parasites/Diseases
 86-005090
 Population Studies
 86-004373
 Rodlet Cells
 86-001375
 Scales
 86-004803
 Schooling Behavior
 86-001678
 Skeletal System
 86-003718
 86-003803
 Spawning
 86-004417
 Speciation
 86-004104
 86-004145
 86-004830
 86-004874
 Taxonomy
 86-004145
 86-004830
 86-004874
 Trematodes
 86-005090
Cirrhina mrigala
 Brood Stock
 86-000032
 Culture/Propagation
 86-000032
 86-003438
 Hybridization
 86-000453
 Induced Maturation
 86-003438

Cirrhina mrigala
 Insecticides
 86-005279
 Phosphatidyl
 86-005279
 Selective Breeding
 86-000017
Cirrhina mrigala
 Toxicology
 86-004488
Citronellol
 Benzene
 86-001110
Clarias amabilis
 Parasites/Diseases
 86-004013
 Trematodes
 86-004013
Clarias batrachus
 Culture
 86-001505
 Comparative Anatomy
 86-001505
 Ultrastructural
 86-001505
Clarias batrachus
 Age/Growth
 86-003993
 Cythion
 86-001119
 Enzymes
 86-002570
 Food Conversion Efficiency
 86-003993
 Insecticides
 86-003119
 Liver
 86-002570
 Organohalogen
 86-003119
 Organophosphates
 86-003119
Clarias variegatus
 Age/Growth
 86-004641
 Blood Chemistry
 86-002524
 Culture/Propagation
 86-000048
 86-001317
 86-001310
 Isotopes
 86-001823
 Immunology
 86-000214
 86-002511
 86-000064
 86-003900
 Feeding Experiment
 86-001317
 Food Digestibility
 86-001317
 Habitat Selection
 86-004169
 Hormones
 86-000234
 86-001418
 86-003900
 Metabolic Rate
 86-004641
 Parasites/Diseases
 86-001821
 Parasitic Coproducts
 86-001821
 Reproduction
 86-000172

Direct/Indirect Propagation
 86-000333
 86-003456
 Dry Production
 86-000333
 Induced Maturation
 86-003456
Orientocerendum batrachoides
 86-005143
 Parasites/Diseases
 86-005143
 Temperature
 86-000333
 Treatments
 86-005143
Oreosoma mossambicus
 Respiratory System
 86-003751
 Artidae
 Culture/Propagation
 86-003474
 Hybridization
 86-003474
 Inoculum
 Taxonomy
 86-002916
Inusomus funduloides
 Distribution/Geographical
 86-000775
Inus dorsalis
 Digestive System
 86-002333
 Embryology
 86-002333
Lupea bentincki
 El Niño
 86-000810
Lupea harengus
 Abundance/Factors of
 86-004767
 Age/Growth
 86-000726
 86-002817
 86-004276
 86-004533
 Biological Tags
 86-001967
 86-005461
 Biomagnification
 86-003078
 86-005190
 Cadmium
 86-005199

86-005199
 Insecticides
 86-003078
 Larval Drift
 86-004276
 Life History/General
 86-004263
 Lipid Composition
 86-000315
 Management/Research--Marine
 86-005677
 Marking/Tagging
 86-001967
 86-005461
 Mercury
 86-005199
 Mortality Rates
 86-004276
 86-004280
 Nets/Netting
 86-005651
 Otoliths
 86-002224
 Parasites/Diseases
 86-001967
 Polychlorinated Biphenyls
 86-003078
 Population Studies
 86-004368
 Production
 86-004280
 Salinity
 86-004767
 Spawning
 86-000624
 86-004280
 Temperature
 86-004469
 86-004767
 Zinc
 86-005199
Lupea harengus harengus
 Abundance/Factors of
 86-000795
 Age/Growth
 86-000727
Anisakis simplex
 86-005122
 Competition
 86-004498
 Egg Size
 86-000795
 Foods/Feeding
 86-004498

SYSTEMATIC INDEX

...CONTINUED...
Clupea harengus harengus
 Genetic Divergence
 86-004110
 Lipid Metabolism
 86-002550
 Nematodes
 86-005122
 Parasites/Diseases
 86-005065
 86-005122
 Viral Diseases
 86-005065
 Viral Erythrocytic Necrosis
 86-005065
Clupea harengus pallasi
 Abundance/Factors of
 86-004780
 Biochemical Composition
 86-003891
 Biomass
 86-001620
 Distribution/Seasonal
 86-000630
 Genetic Divergence
 86-004110
 Habitat Selection
 86-000630
 Intestinal Lesions
 86-001833
 Life History/General
 86-004298
 Management/Research--Marine
 86-004298
 Parasites/Diseases
 86-001833
 Population Studies
 86-001620
 86-004298
 Predator/Prey Relationships
 ...

...CONTINUED...
Clupeidae
 Morphology
 86-004237
 Mortality Factors
 86-004237
 Paleontology
 86-001772
 Population Studies
 86-005656
 Taxonomy
 86-001772
Clupeiformes
 Early Development
 86-004873
 Taxonomy
 86-004873
Cobitis
 Karyotypes
 86-004118
Coelorrhynchus fasciatus
 Foods/Feeding
 86-001676
Coelorrhynchus aspercephalus
 Competition
 86-000660
 Foods/Feeding
 86-000661
 Foods/Feeding/Selectivity
 86-000660
Colisa fasciata
 Enzymes
 86-003994
 Reproduction
 86-003994
 Reproductive System
 86-003994
Colisa fasciatus
 Selenium
 86-003153
 Trace Metals
 86-003153
 Vanadium
 86-003153
Colossoma mitrei
 Culture/Propagation
 86-003432
 Induced Maturation
 86-003432
Conger oceanicus
 Habitat Selection
 86-001566
Coregonidae
 Cage Culture
 86-005478
 Culture/Propagation
 86-004238
 86-005478
 86-005579
 Habitat Selection
 86-004202
 Hybridization
 86-001541
 Life History/General
 86-004238
 Management/Research--General
 86-004238
 Management/Research--Lakes
 86-005478
 86-005579
 Metabolic Rates
 86-001414
 Parasites/Diseases
 86-004937
 Pond Culture
 86-005478

Coregonidae
 Stocking/Introductions
 86-005478
 86-005579
 Coregonus
 Abundance/Factors of
 86-004364
 Age/Growth
 86-004345
 86-005479
 Bioenergetics
 86-001415
 Cage Culture
 86-003391
 86-003395
 86-003409
 Culture/Propagation
 86-003391
 86-003395
 86-003400
 86-003409
 86-003544
 Digestion Rates
 86-004521
 Egg Survival
 86-004391
 Electrophoresis
 86-004154
 Electroshock
 86-003954
 Feeding Experiments
 86-003544
 Fertilization/Soil and Water
 86-003400
 Foods/Feeding
 86-000664
 86-004521
 86-004546
 Hatching Time
 86-003954
 Heavy Metals
 86-001904
 Invertebrate Forage
 86-003544
 Lead
 86-001904
 Management/Research--Lakes
 86-005470
 86-005486
 Mortality Factors
 86-001769
 Mortality Rates
 86-005479
 Parasites/Diseases
 86-005060
 Pond Culture
 86-003391
 Population Studies
 86-004345
 86-004364
 Predator/Prey Relationships
 86-004546
 Protein Synthesis
 86-003882
 Spawning
 86-004391
 Stocking/Introductions
 86-005470
 86-005479
 86-005486
 Supplemental Stocking
 86-005470
 86-005486
 Tank Culture
 86-003391

Coregonus
 Temperature
 86-003882
 86-005470
 Variation Studies
 86-004154
 Viral Diseases
 86-005060
 Viral Hemorrhagic Septicemia
 86-005060
 Vitellogenin
 86-003957
 Year Class Strength
 86-004345
 86-004364
 Yield
 86-005479
 Coregonus albus
 Age/Growth
 86-004277
 Circadian Rhythms
 86-004450
 Culture/Propagation
 86-003245
 86-004296
 86-004555
 Delayed Hatching
 86-000015
 86-003245
 86-004555
 Distribution/Vertical
 86-004450
 86-004451
 Early Development
 86-000496
 Foods/Feeding
 86-004277
 86-004555
 Fry Stocking
 86-003245
 Habitat Selection
 86-004277
 86-004451
 Harvest
 86-001264
 Larval Drift
 86-004462
 Life History/General
 86-004246
 86-004257
 86-004296
 Management/Research--General
 86-004296
 Management/Research--Lakes
 86-004257
 Management/Research--Marine
 86-001264
 Meristic Studies
 86-000157
 Population Studies
 86-004246
 86-004257
 86-004381
 Stocking/Introductions
 86-000015
 86-003245
 Survival
 86-000015
 Temperature
 86-000496
 86-004451
 Thyroid
 86-003742
 Variation Studies
 86-004153

Coregonus albula ladogensis
 Life History/General
 86-004246
 Population Studies
 86-004246
Coregonus artedii
 Abundance/Factors of
 86-000805
 Age/Growth
 86-000730
 Commercial Fishing
 86-001993
 Management/Research - Lakes
 86-001993
 Maturation
 86-000602
 Population Studies
 86-000805
 86-001993
 Predator/Prey Relationships
 86-004554
Coregonus autumnalis migratorius
 Blood Chemistry
 86-002497
Coregonus clupeaformis
 Age/Growth
 86-000739
 86-004636
 Chemoreception
 86-001563
 Commercial Fishing
 86-001228
 Fish Stocks
 86-000590
 Management Research - Lakes
 86-000590
 Management/Research - Lakes
 86-001222
 86-001224
 86-001228
 86-004636
 pH
 86-005310
 Population Studies
 86-000590
 86-001222
 86-001224
 86-004636
 Predator/Prey Relationships
 86-004554
 Yield
 86-001222
Coregonus hoyi
 Abundance/Factors of
 86-000804
 Competition
 86-004500
 Foods/Feeding
 86-004500
 Mortality Factors
 86-000804
 Survival
 86-000804
Coregonus lavaretus
 Age/Growth
 86-004277
 Cage Culture
 86-000019
 86-002057
 86-003402
 Cannibalism
 86-004215
 Culture/Propagation
 86-000019
 86-000074

(CONTINUED)
Coregonus lavaretus
 Culture/Propagation
 86-002057
 86-002113
 86-001503
 86-001396
 86-003402
 86-003435
 86-003473
 86-005484
 86-005670
 Delayed Hatching
 86-003434
 Diet
 86-002113
 Distribution/Vertical
 86-004452
 Early Development
 86-000496
 Electrophoresis
 86-000456
 Feeding Experiments
 86-000074
 86-002113
 86-003473
 Foods
 86-000074
 86-003474
 Fingerprint Stocking
 86-005484
 86-005484
 Food/Feeding
 86-004577
 86-004510
 Foods/Feeding/Selectivity
 86-004516
 Fry Production
 86-001496
 Fry Stocking
 86-003434
 Habitat Selection
 86-004577
 86-004452
 Librification
 86-000019
 86-000804
 Invertebrate Food
 86-003435
 Larval Diet
 86-004462
 Management/Research - Lakes
 86-000620
 Mating/Spawning
 86-001165
 Maturation
 86-000019
 Mouth Parts
 86-000805
 Nutrition
 86-003435
 Parasites/Diseases
 86-000047
 Pond Culture
 86-005484
 86-005620
 Population Studies
 86-002729
 Predator/Prey Relation
 86-000698
 Spawning
 86-001396
 Stocking/Introduction
 86-003243
 86-005483
 86-005484

...CONTINUED...

Coregonus lavaretus
 Stocking/Introductions
 86-005620
 Temperature
 86-000496
 Tetracycline
 86-001165
 Toxic Algae
 86-003126
Coregonus lavaretus macrophthalmus
 Fish Stocks
 86-003787
 Meristic Studies
 86-003787
Coregonus lavaretus wartmanni
 Fish Stocks
 86-003787
 Meristic Studies
 86-003787
Coregonus muksun
 Bacterial Diseases
 86-002955
 Biomass
 86-000589
 Enteric Redmouth Disease
 86-002955
 Parasites/Diseases
 86-002955
 Population Studies
 86-000589
 Production
 86-000589
Yersinia ruckeri
 86-002955
Coregonus nasus
Acanthocephala
 86-000935
 Foods/Feeding
 86-000706
 Identification
 86-000835
 86-000838
 Marking/Tagging
 86-000631
 Mouth Parts
 86-000835
 Movements
 86-000631
 Parasites/Diseases
 86-000860
 86-000935
 Telemetry
 86-000631
Coregonus peled
 Bacterial Diseases
 86-002955
 Cage Culture
 86-000016
 86-003402
 Culture/Propagation
 86-000016
 86-002134
 86-003402
 86-005620
 Diets
 86-002134
 Enteric Redmouth Disease
 86-002955
 Feeding Experiments
 86-002134
 Management/Research--Reservoirs
 86-005620
 Maturation
 86-000016
 Parasites/Diseases
 86-002955

.. CONTINUED...

Coregonus peled
 Pond Culture
 86-005620
 Stocking/Introductions
 86-005620
Yersinia ruckeri
 86-002955
Coregonus sardinella
 Parasites/Diseases
 86-004931
 Variation Studies
 86-004157
Coregonus schinzi palea
 Culture/Propagation
 86-000065
 86-000066
 Feeding Experiments
 86-000065
 86-000066
 Feeds
 86-000065
 86-000066
Coregonus schinzi pallea
 Culture/Propagation
 86-003534
 86-003555
 Diets
 86-003534
 Feeding Experiments
 86-003534
 86-003555
 Feeds
 86-003555
 Metabolic Rates
 86-003864
Coris julis
 Endocrinology
 86-002493
 Hormones
 86-002493
 Reproduction
 86-002493
Corvina carouna
 Taxonomy
 86-000828
Corydoras
 Aquariums
 86-000093
 Body Form
 86-001391
 Culture/Propagation
 86-000093
 Variation Studies
 86-001391
Corydoras adolfoi
 Aquariums
 86-001327
 Culture/Propagation
 86-001327
Corydoras pygmaeus
 Aquariums
 86-003601
 Culture/Propagation
 86-003601
Corynopoma riisei
 Aquariums
 86-003604
 Culture/Propagation
 86-003604
Coryphaena equiselis
 Age/Growth
 86-002837
Coryphaena hippurus
 Age/Growth
 86-002837

...CONTINUED...

Coryphaena hippurus

Culture/Propagation

86-002118

86-002163

Diets

86-002163

Feeding Experiments

86-002163

Tank Culture

86-002118

Coryphaenoides rupestris

Distribution/Geographical

86-004323

Fish Stocks

86-004320

Population Studies

86-004323

Coryphaenoides subseriatus

Distribution/Geographical

86-000782

Cottidae

Blood Chemistry

86-002389

Body Form

86-000173

86-001392

Early Development

86-003794

Electrophoresis

86-002389

Identification/Larvae

86-003794

Cottocomephorus inermis

Early Development

86-002746

Spawning

86-002746

Cottus

Chlorinated Hydrocarbons

86-005188

Escape Behavior

86-004183

Leechos

86-000936

Parasites/Diseases

86-000936

Predator/Prey Relationships

86-004183

Cottus aleuticus

Distribution/Factors of

86-005585

Habitat Selection

86-005585

Population Studies

86-005585

Cottus bairdi

Acoustico-Lateralis System

86-001445

Bioenergetics

86-002350

86-002351

Embryology

86-002350

86-002351

Hybridization

86-001547

Osmoregulation

86-002302

Parasites/Diseases

86-001797

Cottus cognatus

Distribution/Vertical

86-000644

Foods/Feeding

86-004542

...CONTINUED...

Cottus cognatus

Hybridization

86-001547

Life History/Larval

86-000546

Cottus opio

Foods/Feeding

86-002772

Parasites/Diseases

86-004914

Predator/Prey Relations

86-002772

Spawning

86-001547

Cottus hyperboreus

New Species

86-000011

Cottus nivalis

Early Development

86-004744

Identification/Larvae

86-004744

Cottus phaeus

Distribution/Geography

86-002870

Cottus opio

Early Development

86-004744

86-004744

Embryology

86-004744

Reproduction

86-004744

Crenichthys holbrooki

Management/Responsible

86-001944

86-001944

Stocking/Introduction

86-001944

Crenichthys holbrooki

Dactylogrammus crossocottus

86-001022

Parasites/Diseases

86-001022

Treatment

86-001022

Ctenopharyngodon idella

Aquatic Plant Control

86-000001

86-000002

86-000004

86-001172

86-004348

Hemibranchia

86-002549

Blood Chemistry

86-001479

Lateral Neurosecretory

86-004077

Chemosensory Studies

86-004077

Culture/Propagation

86-000029

86-000029

86-001310

86-002096

86-003417

86-003452

86-003475

86-004078

Digestive System

86-003949

86-003950

Digestive System/Halter

86-000646

86-003948

86-003949

.CONTINUED
Ctenopharyngodon idella
 Digestive System/Bacterial Flora
 86-003950
 Electrophoresis
 86-000445
 Enzymes
 86-003949
 Feeding Experiments
 86-000069
 Feeds
 86-000069
 86-001318
 Fertilization/Soil and Water
 86-000029
 86-003475
 Foods/Feeding
 86-000001
 Hybridization
 86-000004
 Immune Response
 86-000191
 86-004077
 Induced Maturation
 86-002096
 Karyotypes
 86-004092
 Nitrogen Metabolism
 86-002549
 Parasites/Diseases
 86-004926
 86-004930
 86-004935
 86-005047
 Ploidy Levels
 86-004096
 Polyculture
 86-000029
 Polyploidy
 86-004098
 86-004155
 Regeneration
 86-002548
 Reproductive System
 86-002548
 Rhodovirus
 86-005047
 Temperature Selection
 86-000472
 Triploid Fish
 86-000004
 86-004098
 Trophic Relationships
 86-004358
 Viral Diseases
 86-005047
Ctenurella
 Mouth Parts
 86-001770
 Paleontology
 86-001770
Cubanichthys cubensis
 Aquariums
 86-000092
 Culture/Propagation
 86-000092
 Eggs
 86-003738
Culaea inconstans
 Age/Growth
 86-004225
 Life History/General
 86-004225
Cyclopteridae
 Distribution/Geographical
 86-001628

.CONTINUED
Cyclopteridae
 Early Development
 86-003677
 Spawning
 86-001628
Cyclopterus lumpus
 Buoyancy Adjustment
 86-002637
 Digestive System
 86-004056
 Early Development
 86-004056
 Eggs
 86-003697
Cyclothone alba
 Distribution/Vertical
 86-004275
 Life History/General
 86-004275
Cynoglossus semifasciatus
 Age/Growth
 86-000742
 Scales
 86-000742
Cynolebias boltoni
 Aquariums
 86-003598
 Culture/Propagation
 86-003598
Cynoptaminae
 Karyotypes
 86-001529
Cynoscion nebulosus
 Culture/Propagation
 86-002124
 Fingering Production
 86-002124
 Induced Maturation
 86-000412
 Management/Research--Marf
 86-001607
 86-003212
 Pond Culture
 86-002124
 Population Studies
 86-001607
 Spawning
 86-002745
Cynoscion xanthulus
 Culture/Propagation
 86-002125
 Induced Maturation
 86-002125
Cyprinella
 Meristic Studies
 86-000162
 Taxonomy
 86-004869
 Variation Studies
 86-000162
Cyprinidae
Aeromonas hydrophila
 86-002962
 Aflatoxins
 86-000978
 Bacterial Diseases
 86-002962
 Benzidine
 86-000978
 Benzo(a)pyrene
 86-000978
 Dentition
 86-003692
 Egg Size
 86-002228

.. CONTINUED...

Cyprinidae

Embryology

86-000159

Evolution

86-004859

Goussia carpioi

86-005023

Home Range

86-002649

Karyotypes

86-000455

Meristic Studies

86-002228

Methylcholanthrene

86-000978

Orientation/Homing

86-002649

Oncolysis

86-000978

Parasites/Diseases

86-002962

86-005023

Polyploidy

86-002603

Protozoan Diseases

86-005023

Reproductive System

86-002213

Skeletal System

86-001356

86-001357

86-003692

Sporelation

86-004859

Taxonomy

86-001356

86-001357

86-001765

86-001766

86-004859

Cyprinodon acinaces

Culture/Propagation

86-002021

Cyprinus carpio

Ichthyophthiriasis

86-002971

Ichthyophthirius multifiliis

86-002971

Parasites/Diseases

86-002971

Protozoan Diseases

86-002971

Cyprinodon macularius

Abundance/Factors of

86-004774

Competition

86-004193

86-004774

Management/Research--General

86-005477

Status

86-004354

Stocking/Introductions

86-005477

Cyprinodon macularius californiensis

Spawning

86-004415

Cyprinodon nevadensis mionectus

Status

86-000811

Cyprinodon pachycephalus

New Species

86-001775

Cyprinodon variegatus

Carcinogens

86-005365

CONTINUED

Cyprinodon variegatus

Life History

86-001664

86-004614

Pathogens

86-001525

Parasites/Diseases

86-005265

Taxonomy

86-002908

Trophic Relationships

86-001611

Wounds

86-005265

Cyprinodon variegatus L.

Habitat Selection

86-001525

Status/Utilization

86-001525

Zoopogeography

86-001525

Cyprinodontidae

Habitat/Environmental Requirements

86-001525

Psychology

86-001114

Speciation

86-004114

Taxonomy

86-004114

Cyprinodont moresii

Early Development

86-001611

Cyprinus

Hybridization

86-001525

Cyprinus carpio

Abundance/Effectiveness of

86-004760

Anticancer Hydrophobic

86-002962

86-004980

Age/Longevity

86-000734

86-001611

86-002962

86-001471

86-004611

Anticancer Agents

86-002962

86-002404

86-001954

Arsonia

86-001611

86-001525

86-002962

86-005264

86-005129

Antigens

86-000404

Arsonia

86-005212

ATP

86-002977

Bacterial Diseases

86-002962

86-004980

Benthonology

86-005265

Benthos

86-001470

Bile Composition

86-004024

Biochemical Composition

86-000412

| | |
|--------------------------------|-------------------------|
| 86-003825 | 86-003417 |
| Biomagnification | 86-003418 |
| 86-000940 | 86-003423 |
| 86-003080 | 86-003426 |
| 86-005212 | 86-003429 |
| Blood Chemistry | 86-003440 |
| 86-000248 | 86-003447 |
| 86-000249 | 86-003451 |
| 86-000250 | 86-003452 |
| 86-000345 | 86-003459 |
| 86-000346 | 86-003460 |
| 86-001454 | 86-003464 |
| 86-002322 | 86-003470 |
| 86-002365 | 86-003471 |
| 86-002374 | 86-003472 |
| 86-002419 | 86-003473 |
| 86-002484 | 86-003476 |
| 86-002526 | 86-003477 |
| 86-003451 | 86-003480 |
| 86-003459 | 86-003537 |
| 86-003920 | 86-003558 |
| 86-003930 | 86-003566 |
| 86-004029 | 86-003568 |
| Blood Sampling | 86-003569 |
| 86-003046 | 86-003572 |
| Body Form | 86-003573 |
| 86-000168 | 86-003580 |
| Bothriocephalus gowkongensis | 86-003583 |
| 86-003052 | 86-003584 |
| Bothriocephalus opsarichthydis | 86-003588 |
| 86-003024 | 86-003591 |
| Cadmium | 86-003935 |
| 86-001002 | 86-004113 |
| 86-003163 | 86-004125 |
| 86-003164 | 86-004920 |
| 86-005225 | Cyanide |
| 86-005291 | 86-003152 |
| Cardio-Vascular System | Diets |
| 86-000405 | 86-000077 |
| 86-001511 | 86-002151 |
| 86-002340 | 86-003558 |
| 86-002541 | 86-003566 |
| Catecholamines | 86-003588 |
| 86-002540 | Digestion Rates |
| Caudal Neurosecretory System | 86-001665 |
| 86-004077 | Digestive System |
| Cestodes | 86-002432 |
| 86-003024 | 86-002527 |
| 86-003052 | 86-003970 |
| Chloride Cells | Digestive System/Bacter |
| 86-000152 | 86-000396 |
| Collagen | Diminobenzene |
| 86-004027 | 86-003118 |
| Copper Sulfate | DNA |
| 86-000981 | 86-001401 |
| Cortisol | Early Development |
| 86-002419 | 86-000496 |
| Culture/Propagation | Eggs |
| 86-000043 | 86-002256 |
| 86-000068 | Electrophoresis |
| 86-000071 | 86-002620 |
| 86-000072 | Electrophysiology |
| 86-000077 | 86-000253 |
| 86-000249 | Embryology |
| 86-000606 | 86-000152 |
| 86-001292 | 86-001381 |
| 86-002076 | Endocrinology |
| 86-002089 | 86-000384 |
| 86-002096 | 86-002419 |

SYSTEMATIC INDEX

..CONTINUED...
Cyprinus carpio
 Endocrinology
 86-002450
 86-002577
 86-003838
 86-003944
 86-004028
 Enzymes
 86-000071
 86-000281
 86-000411
 86-001452
 86-002427
 86-002526
 86-002527
 86-003931
 Epidermal Lesions
 86-001845
 Epitheliocystis
 86-002981
 Eulan WA New
 86-003124
 Feeding Experiments
 86-000077
 86-002151
 86-002153
 86-003537
 86-003558
 86-003566
 86-003568
 86-003569
 86-003573
 86-003580
 86-003583
 86-003584
 Feeds
 86-000068
 86-000071
 86-000077
 86-002153
 86-003447
 86-003537
 86-003569
 86-003580
 86-003584
 86-003588
 Fertilization/Soil and Water
 86-003447
 Food Conversion Efficiency
 86-003568
 Foods/Feeding
 86-001665
 86-004503
 86-004594
 Foods/Feeding/Selectivity
 86-004531
 Fry Production
 86-000043
 86-003573
 Fungal Diseases
 86-005018
 Fungicides
 86-001040
 Genomes
 86-004101
 Gill Diseases
 86-003046
 Gill Necrosis
 86-005318
 Goussia
 86-005044
 Gynogenesis
 86-004113
 86-004125
Gyrodactylus katharineri
 86-005089

..CONTINUED...
Cyprinus carpio
Gyrodactylus lotae
 86-005089
Gyrodactylus lucii
 86-005089
Gyrodactylus schulmani
 86-003053
 Habitat Selection
 86-004169
 Handling Mortality
 86-000249
 Hatchery Design
 86-003429
 Heavy Metals
 86-000940
 86-001002
 86-003163
 86-003164
 86-005212
 86-005225
 86-005291
 Herbicides
 86-000981
 86-005269
 Hormones
 86-002450
 Hybridization
 86-000453
 Hypothalamic-Hypophyseal
 86-004028
 Hypoxia
 86-004029
Ichthyophthirius multifiliis
 86-002973
 Immune Response
 86-002521
 86-002575
 86-002951
 86-004077
 Immunization
 86-004980
 Impoundment
 86-004638
 Induced Maturation
 86-000606
 86-001292
 86-002076
 86-002096
 86-003418
 86-003423
 Industrial Wastes
 86-003010
 Insecticides
 86-000981
 86-003080
 86-005260
 Invertebrate Forage
 86-003572
 Iron
 86-002322
 Karyotypes
 86-001544
 86-004101
 Lactate Dehydrogenase
 86-002620
 Light
 86-002076
 86-002346
 86-002347
 Lipid Composition
 86-003943
 Lipid Metabolism
 86-000244
 86-003910
 86-003931

Cyprinus carpio

Lymphatic System

86-000304

Magnesium

86-000244

Malate Dehydrogenase

86-002619

Management/Research--Rivers and Streams

86-004760

Maturation

86-002076

86-002346

86-002427

86-002450

86-003935

86-004059

86-004059

Mercury

86-005212

Metabolic Rates

86-000168

86-000384

Methanol

86-005260

Methylation

86-000981

Morphine

86-003941

Mouth Parts

86-002277

86-004594

Musculature

86-000434

86-001452

Myxobolus encephalicus

86-005029

Nervous System

86-000253

Nitrite

86-003152

Nutrition

86-000072

86-003566

86-003568

86-003583

86-003584

Olfaction

86-000289

Opioid Peptides

86-003941

Organochlorines

86-003080

Osmoregulation

86-002419

Paraquat

86-000981

Parasites/Diseases

86-000846

86-000894

86-001836

86-001845

86-002951

86-002972

86-002973

86-002981

86-002986

86-003010

86-003024

86-003027

86-003046

86-003052

86-003053

86-004916

86-004920

Cyprinus carpio

Parasites/Diseases

86-004926

86-004937

86-004980

86-005018

86-005029

86-005039

86-005044

86-005047

86-005089

86-005318

Pentachlorophenol

86-001040

pH

86-005318

Phagocytosis

86-004049

Phenols

86-003152

86-005260

Pigments

86-002256

Piscicides

86-003168

Plankton Populations

86-003476

86-003477

Polyculture

86-002089

86-003426

86-003447

86-003464

Polymorphism

86-002619

86-002620

Pond Culture

86-002089

86-003415

86-003426

86-003451

86-003459

86-003464

86-003470

86-003471

86-003476

86-003477

86-003480

86-003572

86-003573

Population Studies

86-004760

Protein Synthesis

86-000244

86-001465

86-002405

Protozoan Diseases

86-002972

86-002973

86-002981

86-002986

86-005029

86-005039

86-005044

Reproduction

86-000606

86-002346

86-002347

86-002450

Reproductive System

86-002427

86-003838

Respiration

86-002340

Rhabdovirus

86-005047

CONTINUED
Cyprinus carpio
 Rice-Fish Culture
 86-003413

Rotenone

86-003168

Salinity

86-000152

Saprolegnia

86-005018

Selenium

86-005212

Sewage Effluents

86-003460

Skeletal System

86-000432

Spawning

86-000606

86-002346

Sphaerospora

86-002972

Sphaerospora reticola

86-005039

Spring Viremia

86-000894

Starvation

86-002397

Steroids

86-002151

86-003935

Stress

86-000193

86-000249

Supplemental Feeding

86-003573

Swimbladder Disease

86-005039

Taste Reception

86-002277

Temperature

86-000496

86-001452

86-001465

86-001698

86-002076

86-002340

86-002346

86-002347

86-002397

86-003415

86-003473

86-003825

86-003935

86-004028

Toluene

86-005260

Toxic Gill Necrosis

86-003046

Trace Metals

86-005212

Transportation

86-003591

Trematodes

86-001836

86-003053

86-005089

Trypanoplasma borelli

86-002986

Tumors

86-003010

86-003027

Viral Diseases

86-000894

86-005047

Vision

86-000253

CONTINUED...

Cyprinus carpio

Vision

86-002251

86-002573

Water Quality

86-003440

Whirling Disease

86-002973

Zinc

86-000940

Cyprinus carpio chilla

Karyotypes

86-001544

Cyprinus carpio nudus

Amino Acids

86-003853

Cyprinus carpio specularis

Foods/Feeding

86-000700

Length-Weight Relationships

86-000700

Cyprinus longipetralis

Karyotypes

86-001544

Cypselurus heterus doderleini

Activity Patterns

86-002647

Movements

86-002647

Schooling Behavior

86-002647

Cypselurus opisthopus hiral

Activity Patterns

86-002647

Movements

86-002647

Schooling Behavior

86-002647

Danio devario

Bacterial Diseases

86-000864

Edwardsiella ictaluri

86-000864

Euteric Septicemia of Catf

86-000864

Parasites/Diseases

86-000864

Danio devario

New Genus

86-004889

Danio devario

New Species

86-004889

Danio devario

Abundance/Factors of

86-000508

Aggressive Behavior

86-000508

Aquariums

86-003597

Culture/Propagation

86-003597

Dasyatis akajel

Caudal Neurosecretory Sys

86-000348

Derichthyidae

Morphology

86-002246

Spawning

86-002246

Dicentrarchus labrax

Abnormalities

86-005080

Age/Growth

86-000237

- Electrona carlsbergi*
 Life History/General
 86-000564
Electrophorus electricus
 Electric Organs
 86-000174
Electrophorus electricus
 Electric Organs
 86-001486
Egginus gracilis
 Antifreeze Production
 86-002314
 86-002315
Egginus navaga
 Behavior
 86-004185
 Foods/Feeding
 86-004621
Eleotridae
 Buoyancy Adjustment
 86-004184
Elpiformes
 Early Development
 86-003782
 Taxonomy
 86-004897
Elps saurus
 Distribution/Geographical
 86-004690
 Foods/Feeding
 86-001664
 Karyotypes
 86-000440
 Trophic Relationships
 86-001664
Elotoca Jacksoni
 Foods/Feeding
 86-004522
 Foods/Feeding/Selectivity
 86-000673
 Habitat Selection
 86-004522
Elotoca lateralis
 Artificial Reefs
 86-003192
 Foods/Feeding
 86-003192
 86-004522
 Foods/Feeding/Selectivity
 86-000673
 Habitat Selection
 86-004522
Elotocidae
 Foods/Feeding
 86-004505
 Mouth Parts
 86-002253
Elotichthys nitidus
 Life History/General
 86-002696
Elotulidae
 Population Studies
 86-001535
 86-004343
 Salinity
 86-004343
 Variation Studies
 86-001535
 86-004343
Elotulis
 Currents
 86-000648
 Distribution/Factors of
 86-000648
 Population Studies
 86-004328
Engraulis encrasicolus ponticus
 Biomass
 86-004318
 Population Studies
 86-004318
Engraulis encrasicolus
 Population Studies
 86-002709
Engraulis japonicus
 Distribution/Factors of
 86-004732
 Egg Drift
 86-004732
 Foods/Feeding/Selectivity
 86-000704
 Ocean Fronts
 86-004732
 Temperature
 86-004732
Engraulis mordax
 Abundance/Factors of
 86-004751
 86-004773
 Age/Growth
 86-001703
 Atresia
 86-000275
 Biomass
 86-001612
 86-004350
 Bird Predation
 86-004773
 Egg Drift
 86-001623
 Egg Production
 86-000583
 Egg Survival
 86-001623
 El Nino
 86-004751
 Life History/General
 86-004269
 Population Studies
 86-000583
 86-004350
 Predator/Prey Relationships
 86-004603
 Reproductive System
 86-000275
 Schooling Behavior
 86-000489
 Spawning
 86-004350
 Vision
 86-000489
Enneacanthus gloriosus
 Age/Length Composition
 86-002715
Enneacanthus obesus
 Abundance/Factors of
 86-004779
 Competition
 86-004779
 Habitat Selection
 86-004779
 Spawning Behavior
 86-004779
Entosphenus tridentatus
 Immune Response
 86-002483
Epigonus denticulatus
 Meristic Studies
 86-002245
Epigonus pectinifer
 Distribution/Seasonal
 86-004455

.. CONTINUED ..
Epigonus pectinifer
 Distribution/Vertical
 86-004455
Epinephelus guaza
 Foods/Feeding
 86-004595
Epinephelus quernus
 Foods/Feeding
 86-004591
Epinephelus tauvina
 Age/Growth
 86-002689
 86-002835
 Cage Culture
 86-002112
 Culture/Propagation
 86-002105
 86-002112
 86-002689
 Egg Collection
 86-002105
 Fingerling Production
 86-002105
 Management/Research--Marine
 86-002728
 Maturation
 86-002689
 Population Studies
 86-002728
 Spawning
 86-002689
Epiplatys spilargyreus
 Predator/Prey Relationships
 86-002790
Eptatretidae
 Fish Lists/Keys
 86-004903
Eptatretus longipinnis
 New Species
 86-004903
Eptatretus burgeri
 Chromosome Elimination
 86-002601
 Cloacal Gland
 86-000175
 Endocrinology
 86-002547
 Karyotypes
 86-002601
 Sexual Dimorphism
 86-000175
Eptatretus cirrhatus
 Cardio-Vascular System
 86-002563
Eptatretus mendozai
 New Species
 86-000823
Eptatretus stouti
 Excretory System
 86-002502
 Olfaction
 86-000166
Erinzyon sucetta
Acanthocephala
 86-005076
Caryophyllaeidae
 86-001821
Cestodes
 86-001821
Isoglaridacris multivitellaria
 86-001821
Neoechinorhynchus prolixoides
 86-005076
Neoechinorhynchus robertbaueri
 86-005076

.. CONTINUED ..
Erinzyon sucetta
 Parasites/Diseases
 86-001821
 86-005076
Erpetoichthys calabaricus
 Blood Chemistry
 86-000197
 Respiration
 86-000197
Erythrocles schlegelii
 Life History/General
 86-000549
Esocidae
 Early Development
 86-004866
 Taxonomy
 86-004866
Esox
 Escape Behavior
 86-004612
 Predator/Prey Relationships
 86-004612
Esox americanus vermiculatus
 Biochemical Composition
 86-002406
 Identification/Larvae
 86-004864
 Musculature
 86-002406
Esox lucius
 Activity Patterns
 86-001164
 Aromatic Organohalogenes
 86-003074
 Arsenic
 86-005212
 ATP
 86-003958
 Bioenergetics
 86-001250
 Biomagnification
 86-000956
 86-003074
 86-003078
 86-005190
 86-005212
 Biomass
 86-000589
 Blood Chemistry
 86-000376
 Cage Culture
 86-003395
 86-003409
 Cannibalism
 86-004511
 Carbohydrate Metabolism
 86-000375
 Cestodes
 86-001852
 Chlorinated Hydrocarbons
 86-005190
 Culture/Propagation
 86-000023
 86-003395
 86-003409
 86-003448
 86-003481
 86-003560
 DDT
 86-003078
 Diets
 86-003560
 Digestive System
 86-002449
 Electrofishing
 86-003127

...CONTINUED...

Esox lucius
 Enzymes
 86-002449
 86-003958
 Eulan WA New
 86-003124
 Exercise
 86-000375
 86-001501
 Feeding Experiments
 86-003560
 Fertilization/Soil and Water
 86-003448
 Fish Control/Removal
 86-003127
 Foods/Feeding
 86-000666
 86-004511
Gyrodactylus katharineri
 86-005089
Gyrodactylus lotae
 86-005089
Gyrodactylus lucii
 86-005089
 Heavy Metals
 86-000956
 86-003074
 86-005190
 86-005212
 Hemorrhagic Septicemia
 86-005059
 Hooking Mortality
 86-000375
 Identification/Larvae
 86-004864
 Insecticides
 86-003078
 Life History/General
 86-000538
 86-000540
 86-001250
 Management/Research--General
 86-000023
 Management/Research--Ponds
 86-003307
 Management/Research--Reservoirs
 86-001250
 Marking/Tagging/General
 86-001164
 Mercury
 86-000956
 86-005212
 Movements
 86-004460
 Musculature
 86-003958
 Nursery Areas
 86-003448
 Nutrition
 86-003560
 Parasites/Diseases
 86-001852
 86-005059
 86-005089
 Polychlorinated Biphenyls
 86-003078
 Population Studies
 86-000589
 86-000593
 86-004316
 86-004336
 Predator Control
 86-003127
 Predation
 86-000589

...CONTINUED...

Esox lucius
 Pulp Mill Effluents
 86-003157
 Selenium
 86-005212
 Stocking/Introductions
 86-001250
 86-003307
 Stress
 86-000375
 86-000376
 86-001501
 Telemetry
 86-001164
 Temperature
 86-003560
 Trace Metals
 86-005212
 Trematodes
 86-005089
Triaenophorus crassus
 86-001852
 Viral Diseases
 86-005059
 Year Class Strength
 86-004336
Esox masquinongy
 Biochemical Composition
 86-002406
 Creel Census
 86-001148
 Culture/Propagation
 86-003481
 86-003560
 Diets
 86-003560
 Feeding Experiments
 86-003560
 Harvest
 86-001148
 Home Range
 86-004459
 Identification/Larvae
 86-004864
 Life History/General
 86-001588
 Management/Research--General
 86-001588
 Management/Research--Ponds
 86-003307
 Management/Research--Rivers
 Streams
 86-001148
 Movements
 86-004459
 Musculature
 86-002406
 Nutrition
 86-003560
 Orientation/Homing
 86-004459
 Population Studies
 86-000582
 86-000588
 Stocking/Introductions
 86-003307
 Temperature
 86-003560
Esox niger
 Foods/Feeding
 86-004510
Etelis carbunculus
 Activity Patterns
 86-004222
 Habitat Selection
 86-004222

CONTINUED.

Etelis carbunculus
 Maturation
 86-004395
 Spawning
 86-004395
Etheostoma
 Body Form
 86-003771
Etheostoma blennioides
 Competition
 86-002678
 Distribution/Seasonal
 86-002766
 Habitat Selection
 86-002645
 86-002678
 Oxygen
 86-002766
 Substrate Composition
 86-002766
 Temperature
 86-000268
 86-001444
 86-002766
Etheostoma caeruleum
 Aquariums
 86-000088
 Competition
 86-002678
 Culture/Propagation
 86-000088
 Distribution/Seasonal
 86-002766
 Habitat Selection
 86-002645
 86-002678
 Heavy Metals
 86-001020
 Life History/General
 86-002683
 Mercury
 86-001020
 Oxygen
 86-002766
 Substrate Composition
 86-002766
 Temperature
 86-000268
 86-001444
 86-002766
Etheostoma cragini
 Age/Growth
 86-004291
 Distribution/Geographical
 86-002865
 86-004691
 Life History/General
 86-004291
 Population Studies
 86-004291
 Spawning
 86-004291
Etheostoma flabellare
 Distribution/Seasonal
 86-002766
 Early Development
 86-001380
 Egg Size
 86-001380
 Habitat Selection
 86-002645
 Meristic Studies
 86-002257
 Oxygen
 86-002766

CONTINUED.

Etheostoma flabellare
 Spawning
 86-001633
 Substrate Composition
 86-002766
 Taxonomy
 86-002257
 Temperature
 86-000268
 86-001444
 86-002766
 Variation Studies
 86-002257
Etheostoma juliae
 Age/Growth
 86-002687
 Reproduction
 86-002687
 Spawning
 86-002687
Etheostoma lynceum
 Taxonomy
 86-004818
Etheostoma maculatum
 Distribution/Geographical
 86-002844
Etheostoma microperca
 Distribution/Geographical
 86-004691
Etheostoma nigrum
 Early Development
 86-001380
 Egg Size
 86-001380
 Life History/General
 86-004284
 Spawning
 86-001633
 Taxonomy
 86-000817
Etheostoma olmstedii
 Spawning
 86-000601
 Taxonomy
 86-000817
Etheostoma proellare
 Early Development
 86-003791
Etheostoma rufilineatum
 Life History/General
 86-000561
Etheostoma spectabile
 Competition
 86-002678
 Egg Size
 86-001472
 Fecundity
 86-001472
 Habitat Selection
 86-002678
Etheostoma tetrazonum
 Competition
 86-002678
 Habitat Selection
 86-002678
Etheostoma trisella
 Life History/General
 86-001595
Etheostoma ulocentra
 Life History/General
 86-001598
 Taxonomy
 86-001598
Etheostoma whipplei
 Meristic Studies
 86-004884

CONTINUED...

neostoma whipplei
 Taxonomy
 86-004884
 Variation Studies
 86-004884
 neostoma zonale
 Competition
 86-002678
 Habitat Selection
 86-002678
 Taxonomy
 86-004818
 Nils carunculus
 Light
 86-004222
 Opterus frontimaculatus
 Taxonomy
 86-002893
 Opterus princeps
 Omatokolta
 86-005106
 Parasites/Diseases
 86-005106
 Parasitic Copepods
 86-005106
 Opterus schmidtii
 New Species
 86-002893
 Opterus maculatus
 Chlorine
 86-003154
 Life History/General
 86-001587
 Registus illustris
 Distribution/Geographical
 86-002866
 taeniorhynchidae
 Early Development
 86-000137
 teleostei
 Taxonomy
 86-004821
 thynnus alleteratus
 Schooling Behavior
 86-004164
 thynnus alleteratus
 Foods/Feeding
 86-000682
 tropus
 Distribution/Geographical
 86-001773
 Fish Lists/Keys
 86-001773
 Taxonomy
 86-001773
 vermannellidae
 Early Development
 86-004851
 Taxonomy
 86-004851
 vermannichthys
 Meristic Studies
 86-001366
 Variation Studies
 86-001366
 vynnis japonica
 Foods/Feeding
 86-000703
 xoglossum maxilllingua
 Eye-picking
 86-002636
 86-002660
 Mimicry
 86-002636
 ugu
 Toxins
 86-000366

...CONTINUED...

Fugu
 Toxins
 86-000367
 Fundulus
 Competition
 86-002677
 Endocrinology
 86-000311
 Evolution
 86-002918
 Nematodes
 86-001844
 Parasites/Diseases
 86-001844
 Reproduction
 86-000311
 Taxonomy
 86-002918
 Fundulus grandis
 Baltfish Culture
 86-002102
 Carcinogens
 86-005265
 Culture/Propagation
 86-000040
 86-000058
 86-002102
 86-002123
 Feeding Experiments
 86-000040
 86-000058
 Fertilization/Soil and Water
 86-000040
 86-000058
 Lunar Influences
 86-000611
 Parasites/Diseases
 86-005265
 Pond Culture
 86-000040
 86-000058
 86-002123
 Salinity
 86-000040
 Spawning
 86-000611
 Taxonomy
 86-002908
 Tumors
 86-005265
 Fundulus heteroclitus
 Age/Growth
 86-002839
 Amino Acids
 86-002571
 Blood Chemistry
 86-000236
 86-002313
 86-002494
 86-002578
 Cadmium
 86-003161
 Calcium
 86-002488
 Chloride Cells
 86-002247
 86-002466
 Competition
 86-002839
 Digestive System
 86-001478
 Distribution/Geographical
 86-004679
 Eggs
 86-002216

(CONTINUED)

Fundulus heteroclitus
Electrophoresis
86-000450
Endocrinology
86-002221
86-002488
86-003909
Enzymes
86-000362
86-000368
86-000369
86-002591
86-003899
Excretory System
86-001502
Feeds/Feeding
86-002839
86-004613
Heavy Metals
86-001018
86-001030
86-003161
Hormones
86-000236
86-002488
86-002578
Immune Response
86-002378
Life History/General
86-000514
86-002682
Light
86-000404
86-002539
Lunar Influences
86-000609
Maturation
86-000224
86-000404
86-002387
Mercury
86-001030
Osmoregulation
86-000214
86-001502
86-002466
86-002571
86-003909
Pigments
86-000223
Rectal Gland
86-002578
Regeneration
86-003161
Reproduction
86-000224
86-002387
86-002515
86-004033
Reproductive System
86-000430
Research Test Fish
86-002296
86-003060
Spawning
86-000609
86-002755
Stress
86-002378
86-004064
Symposia
86-002682
Temperature
86-000214
86-000293

(CONTINUED)

Fundulus heteroclitus
Temperature
86-002414
86-002539
86-003909
Thermal Shock
86-000514
86-002414
Urbex
86-002539
Trophic Relationships
86-002793
Variation Studies
86-000450
86-002514
86-002591
86-002609
Fundulus luciae
Cell Parameters
86-001769
Parameters/Parameters
86-001769
Parameters/Parameters
86-001769
Parameters/Parameters
86-001769
Fundulus luciae
Life History/General
86-002514
Fundulus luciae
Life History/General
86-000514
Fundulus luciae
Benz(a)pyrene
86-003161
Fundulus luciae
Escape Behavior
86-004196
Predator/Prey Relationships
86-004196
Spawning
86-004196
Taxonomy
86-003808
Fundulus luciae
Population Genetics
86-004196
Fundulus luciae
Early Development
86-004196
Sex/Ally/Ally
86-004196
Taxonomy
86-004196
Trawls
86-004196
Fundulus luciae
Early Development
86-004196
Taxonomy
86-004196
86-004196
Fundulus luciae
Abundance/Factors of
86-004196
Age/Growth
86-002027
Feeds/Feeding
86-001658
Harvest
86-001194
Predator/Prey Relationships
86-004196
Trawls
86-001194

merlangus
 hing Gear
 -005500
 ks
 -005500
 merlangus euxinus
 mass
 -004318
 ulation Studies
 -004318
 morhua
 ndance/Factors of
 -004767
 /Growth
 -004258
 atic Hydrocarbons
 -005280
 hemical Composition
 -002334
 magnification
 -005190
 and Chemistry
 -003903
 hium
 -004001
 ium
 -002334
 io-Vascular System
 -000389
 rinated Hydrocarbons
 -005190
 ition Factors
 -002342
 ure/Propagation
 -003535
 s
 -003535
 stive System
 -000282
 y Development
 -003705
 Identification
 -001276
 -004001
 es
 -002342
 -004012
 ermal Lesions
 -005152
 pplication
 -004767
 etory System
 -003955
 ng Experiments
 -003535
 -003535
 /Feeding
 -00053
 -004258
 -004557
 -004578
 -004579
 -004620
 Metals
 -005190
 hlorobenzene
 -001907
 plasia
 -005152
 -002334
 te Dehydrogenase
 -004012

...CONTINUED
 Gadus morhua
 Movements
 86-004470
 Musculature
 86-003928
 Naphthalene
 86-001922
 Nervous System
 86-000282
 86-003955
 Nutrition
 86-002342
 Oil
 86-001922
 86-005158
 Osmoregulation
 86-004034
 Parasites/Diseases
 86-005065
 86-005066
 86-005152
 Pollution Avoidance
 86-005158
 Predator/Prey Relationships
 86-004578
 Salinity
 86-004767
 Swimbladder
 86-000418
 Temperature
 86-004767
 Variation Studies
 86-000460
 Viral Diseases
 86-005065
 86-005066
 Viral Erythrocytic Necrosis
 86-005065
 86-005066
 Xylenes
 86-005280
 Gadus morhua macrocephalus
 Liver
 86-002234
 Gadus morhua marisalbi
 Amino Acids
 86-000222
 Chemoreception
 86-000222
 Digestive System
 86-004056
 Early Development
 86-003752
 86-004056
 Electrophysiology
 86-002325
 Embryology
 86-003752
 Larval Drift
 86-003752
 Nervous System
 86-000222
 86-002325
 Olfaction
 86-002325
 Spawning
 86-003752
 Gaidropsarus
 Taxonomy
 86-004904
 Gaidropsarus mediterraneus
 Chemoreception
 86-003740
 Fins
 86-003740

| | |
|-----------------------------------|--------------------------------|
| COPIED... | |
| <i>Gaidropsarus mediterraneus</i> | <i>Gambusia affinis</i> |
| Karyotypes | Heavy Metals |
| 86-004151 | Hb 00529 |
| Variation Studies | Insect to Fish Relationships |
| 86-004151 | Hb 00540 |
| <i>Gaidropsarus parini</i> | Insect to Fish |
| New Species | Hb 004111 |
| 86-004904 | For Ichthyofauna Control |
| <i>Galaxias</i> | Hb 001330 |
| <i>Chlorothaloni</i> | Life History/General |
| 86-001892 | Hb 004797 |
| <i>Galaxias auratus</i> | Reproduction |
| <i>Chlorothaloni</i> | Hb 001066 |
| 86-000991 | Reproduction (Control) |
| Fungicides | Hb 001061 |
| 86-000991 | Parasites/Diseases |
| <i>Galaxias maculatus</i> | Hb 001330 |
| <i>Chlorothaloni</i> | Hb 005177 |
| 86-000991 | Hb 00529 |
| Fungicides | Pesticides |
| 86-000991 | Hb 00540 |
| <i>Galaxias truttaceus</i> | Pharmacology |
| <i>Chlorothaloni</i> | Hb 00540 |
| 86-000991 | Physiology |
| Fungicides | Hb 00540 |
| 86-000991 | Population Studies |
| <i>Galaxifella pusilla</i> | Hb 004797 |
| Sexual Dimorphism | Production/Heavy Relationships |
| 86-003754 | Hb 000461 |
| <i>Galeichthys caerulescens</i> | Hb 004797 |
| Culture/Propagation | Spawning |
| 86-002705 | Hb 000461 |
| Life History/General | Hb 001061 |
| 86-002705 | Hb 004177 |
| <i>Galeocerdo articus</i> | Status |
| Morphology | Hb 004797 |
| 86-000161 | Reproduction |
| <i>Galeocerdo cuvier</i> | Hb 005177 |
| Age/Growth | Trophic Relationships |
| 86-004632 | Hb 001061 |
| Bioenergetics | <i>Gambusia pargueti</i> |
| 86-004632 | Formally |
| <i>Gambusia</i> | Hb 000771 |
| Electrophoresis | Status |
| 86-004107 | Hb 00529 |
| Variation Studies | <i>Gambusia heterochir</i> |
| 86-004107 | Basic Information |
| <i>Gambusia affinis</i> | Hb 001061 |
| Abundance/Factors of | <i>Gambusia ramsayi</i> |
| 86-004762 | Life History/General |
| Age/Growth | Hb 000545 |
| 86-001696 | <i>Gambusia pumilata</i> |
| 86-002819 | Karyotypes |
| Cadmium | Hb 000461 |
| 86-005259 | Taxonomy |
| Cannibalism | Hb 000461 |
| 86-004172 | <i>Gasterosteus aculeatus</i> |
| Carbofuran | Early Development |
| 86-003111 | Hb 000461 |
| Cestodes | Taxonomy |
| 86-001848 | Hb 000461 |
| <i>Clinostomum complanatum</i> | <i>Gasterosteus aculeatus</i> |
| 86-005125 | Age/Growth |
| Coloration | Hb 000740 |
| 86-002280 | Behavior |
| Competition | Hb 001061 |
| 86-004193 | Bird Predation |
| Cyclo-diene | Hb 000461 |
| 86-005330 | Blood Chemistry |
| Floods | Hb 000101 |
| 86-004762 | Handling Behavior |
| Foods/Feeding | Hb 000627 |
| 86-001664 | Cannibalism |
| 86-004488 | Hb 000510 |
| Foods/Feeding/Selectivity | Circadian Rhythms |
| 86-000663 | 86-000190 |

Cortisol
 86-000189
 Distribution/Geographical
 86-001737
 86-002853
 Electrophoresis
 86-004158
 Endocrinology
 86-000207
 86-002309
 Foods/Feeding/Selectivity
 86-004516
 Fright Behavior
 86-000481
 86-000482
 86-001555
 Life History/General
 86-002702
 Light
 86-000190
 Meristic Studies
 86-000136
 86-000155
 86-002274
 86-003687
 Mortality Factors
 86-000627
 Orientation/Homing
 86-004161
 Predator/Prey Relationships
 86-000481
 86-000482
 Reproduction
 86-000190
 Salinity
 86-004161
 Sexual Dimorphism
 86-004158
 Social Behavior
 86-002667
 Spawning
 86-000190
 86-000627
 86-002702
 Spawning Behavior
 86-004433
 86-004570
 Steroids
 86-000207
 Swimming Performance
 86-004219
 Territorial Behavior
 86-004433
 86-004570
 Variation Studies
 86-000136
 86-000156
 86-002274
 86-003687
 Foods/Feeding
 86-004570
Gasterosteus wheatlandi
 Cannibalism
 86-000510
 Fright Behavior
 86-001555
 Orientation/Homing
 86-004161
 Salinity
 86-004161
Gazza minuta
 Skeletal System
 86-000176
Gnyptherus blacodes
 Competition
 86-000660

Foods/Feeding
 86-000661
 Foods/Feeding/Selectivity
 86-000660
Geotria australis
 Biochemical Composition
 86-002459
 Blood Chemistry
 86-001504
 Dentition
 86-000150
 Endocrinology
 86-000285
 Iron
 86-002459
 Metamorphosis
 86-000285
 Mouth Parts
 86-000150
Gerreidae
 Competition
 86-000677
 Foods/Feeding
 86-000677
 Habitat Selection
 86-000677
Gibberichthys latifrons
 Distribution/Geographical
 86-000766
Giganturidae
 Early Development
 86-004852
 Taxonomy
 86-004852
Gila atraria
 Competition
 86-002799
Gyrodactylus
 86-001843
 Parasites/Diseases
 86-001843
 Predator/Prey Relationships
 86-002799
 Reproduction
 86-002404
 Sexual Dimorphism
 86-003805
 Trematodes
 86-001843
 Vitellogenin
 86-002404
Gila bicolor
 Age/Growth
 86-004242
 Foods/Feeding
 86-004242
 Gill Rakers
 86-003806
 Meristic Studies
 86-003806
Gila bicolor mohavensis
 Abundance/Factors of
 86-004748
 Age/Growth
 86-004655
 Bioenergetics
 86-001473
 Fish Reserves
 86-005349
 Flow Regimes
 86-004748
 Life History/General
 86-004249
 Oxygen
 86-004748

CONTINUED

Gila bicolor rohavensis
 Salinity
 86-001473
 Status
 86-004249
 Temperature
 86-001473
 86-004748
Gila copei
 Spawning
 86-004432
Gila cypha
 Life History/General
 86-004274
Gila elegans
 Culture/Propagation
 86-001295
 Induced Maturation
 86-001295
Gila orcutti
 Abundance/Factors of
 86-004748
 Flow Regimes
 86-004748
 Foods/Feeding
 86-004582
 Oxygen
 86-004748
 Temperature
 86-004748
Gila robusta
 Lordosis
 86-005104
 Parasites/Diseases
 86-005104
Gillichthys mirabilis
 Endocrinology
 86-000280
 86-000403
 Growth Hormone
 86-000403
 Osmoregulation
 86-000280
 Salinity
 86-000280
Ginglymostoma cirratum
 Isozymes
 86-002386
Girardinichthys viviparus
 Embryology
 86-002275
Girella elevata
 Foods/Feeding
 86-004487
Girella punctata
 Iron
 86-001508
Girella tricuspidata
 Blood Chemistry
 86-000313
 86-000314
 Cardio-Vascular System
 86-001480
 Catecholamines
 86-000314
 Stress
 86-000313
 86-000314
 Temperature
 86-000500
 Vision
 86-000500
Glyptocephalus cynoglossus
 Foods/Feeding
 86-004557

Gnathonemus petersi
 Nervous System
 86-001475
 86-001476
Gnathonemus petersii
 Electrophysiology
 86-001457
Gobiesociformes
 Early Development
 86-004785
 Taxonomy
 86-004785
 Gobiidae
 Aquariums
 86-000096
 Cestodes
 86-000520
 Culture/Propagation
 86-000096
 Distribution/Geographical
 86-004744
 Fish Lists/Keys
 86-004744
 Foods/Feeding/Selectivity
 86-004622
 Life History/General
 86-000520
Ligula intestinalis
 86-000520
 Microsporidia
 86-005040
 Parasites/Diseases
 86-000520
 86-005040
 Protozoan Diseases
 86-005040
Gobio gobio
 Electrophoresis
 86-002620
 86-002621
 Habitat Selection
 86-004224
 Lactate Dehydrogenase
 86-002620
 Length-Weight Relationships
 86-002841
 Malate Dehydrogenase
 86-002621
 Polymorphism
 86-002620
 86-002621
Gobiohatia paucirastella
 New Species
 86-004875
Gobioides
 Early Development
 86-003788
 Taxonomy
 86-004840
Gobiomorphus
 Trophic Relationships
 86-004358
Gobiomorphus cotidianus
 Cestodes
 86-003049
Ligula intestinalis
 86-003049
 Parasites/Diseases
 86-003049
Gobionellus
 Taxonomy
 86-000831
 Gobioninae
 Karyotypes
 86-004123

s niger
 fe History/General
 86-001600
 uromasts
 86-002254
 us paganelius
 ryotypes
 86-000448
 rynchiformes
 rly Development
 86-004886
 sculature
 86-002898
 xonomy
 86-002898
 86-004886
 stomatidae
 rly Development
 86-004782
 xonomy
 86-004782
 ea atripinnis
 electrophoresis
 86-002625
 riation Studies
 86-002625
 ma
 uariums
 86-000094
 lture/Propagation
 86-000094
 ocanthus
 ods/Feeding
 86-002805
 ocephalus baloni
 ods/Feeding
 86-004569
 ocephalus cernua
 edator/Prey Relationships
 86-000698
 ocephalus cernuus
 ods/Feeding
 86-004569
 roductive System
 86-002318
 ocephalus schraetser
 ods/Feeding
 86-004569
 ocypris przewalskii
 omagnification
 86-005191
 dmium
 86-005191
 pper
 86-005191
 vvy Metals
 86-005191
 d
 86-005191
 c
 86-005191
 scopelus
 ods/Feeding
 86-004615
 phic Relationships
 86-004615
 scopelus nicholsi
 tality Rates
 86-001615
 ulation Studies
 86-001615
 tus carapo
 ctric Organs
 86-001438
 86-003904

.
 Gymnotus carapo
 Electrophysiology
 86-001438
 Spawning
 86-001631
 Gyrinocheilus aymonieri
 Mouth Parts
 86-002222
 Haemulidae
 Artificial Reefs
 86-001067
 Management/Research--Marine
 86-001067
 Haemulon aurolineatum
 Foods/Feeding
 86-000693
 Haemulon flavolineatum
 Recruitment
 86-000621
 Spawning
 86-000621
 Haliotis discus
 Biomagnification
 86-005175
 Heavy Metals
 86-005175
 Manganese
 86-005175
 Hampala macrolepidota
 Foods/Feeding
 86-004486
 Spawning
 86-004386
 Haplochromis
 Electrophoresis
 86-002623
 Mouth Parts
 86-003798
 Speciation
 86-004913
 86-004913
 Taxonomy
 86-004913
 Variation Studies
 86-002623
 86-003798
 Haplochromis burtoni
 Vision
 86-000471
 Haptenchelys texis
 Distribution/Vertical
 86-001590
 Fish Lists/Keys
 86-001590
 Identification
 86-001590
 Life History/General
 86-001590
 Harengula clupeiola
 Karyotypes
 86-000440
 Helicogramma medium
 Blood Chemistry
 86-000278
 Respiration
 86-000278
 Helicolenus dactylopterus
 Foods/Feeding
 86-001676
 Hemichromis bimaculatus
 Scales
 86-002279
 86-003792
 Hemigrammus bleheri
 Aquariums
 86-003595

SYSTEMATIC INDEX

. CONTINUED .

- Hemigrammus bleheri*
 Culture/Propagation
 86-003595
Hemigrammus ulreyi
Aquariums
 86-002172
 Culture/Propagation
 86-002172
Hemilepidotus
 Fecundity
 86-004434
 Maturation
 86-004434
 Sex Ratios
 86-004434
 Spawning
 86-004434
Hemilepidotus gilberti
 Foods/Feeding
 86-000702
Hemilepidotus jordani
 Foods/Feeding
 86-000702
Hemilepidotus zapus
 Early Development
 86-000160
Hemirhamphus intermedius
 Cardio-Vascular System
 86-000245
 86-001437
 86-002370
 Temperature
 86-001437
Hemirhamphus villosus
 Eggs
 86-002238
Heterotis niloticus
 Distribution/Geographical
 86-004708
Heteroplasia multispinosa
 Sex Ratios
 86-000617
 Spawning
 86-000617
Heterandria formosa
 Reproductive System
 86-000147
Heterobranchius longifiliis
 Culture/Propagation
 86-003449
 Induced Maturation
 86-003449
Heteroclinus
 New Species
 86-004837
Heteroclinus adelaidae
 Taxonomy
 86-004837
Heterodontus
 Immunoglobulins
 86-003953
Heterodontus japonicus
 Caudal Neurosecretory System
 86-000348
 86-004077
 Immune Response
 86-004077
 Immunoglobulins
 86-004058
Heteropneustes fossilis
 Acrylamide
 86-005316
 BHC
 86-001930
 Blood Chemistry
 86-000255

604110

- [illegible]

- Hippocampus stankiewiczii
 Management/Research--Marine
 86-001066
 Management/Research--Marine
 86-001214
 86-004234
 Population Studies
 86-002734
 Predator/Prey Relationships
 86-002775
Hirundinichthys affinis
 Management/Research--Marine
 86-005653
Histrio histrio
 Aquariums
 86-000090
 Culture/Propagation
 86-000090
Hoplias microlepis
 Hypoxia
 86-003869
 Respiration
 86-003869
Hucho hucho
 Age/Growth
 86-002840
 Culture/Propagation
 86-003393
 Foods/Feeding
 86-004617
 Incubation
 86-003393
 Magnetic Fields
 86-003393
Huso huso
 Abundance/Factors of
 86-001757
 Culture/Propagation
 86-002094
 Embryology
 86-002244
 Flow Regimes
 86-001757
 Pond Culture
 86-002094
 Spawning
 86-001757
 Temperature
 86-002244
Hypentelium stowanum
 Identification/Larvae
 86-004912
Hypentelium nigricans
 Identification/Larvae
 86-004912
Hyperoplus lanceolatus
Aeromonas salmonicida
 86-004957
 Bacterial Diseases
 86-004957
 Parasites/Diseases
 86-004957
Hypessobrycon elachys
 New Species
 86-000840
Hypleurochilus geminatus
 Mouth Parts
 86-001377
Hypoatherina tropicalis
 Foods/Feeding/Selectivity
 86-004587
Hypomesus nipponensis
 Population Studies
 86-004367
 Predator/Prey Relationships
 86-004367
Hypomesus pretiosus
 Meristic Studies
 86-003737
Hypophthalmichthys molitrix
 Age/Growth
 86-000728
 Aquatic Plant Control
 86-000001
 86-000004
 86-003419
 Bacterial Diseases
 86-005006
 Chromosome Studies
 86-004092
 Culture/Propagation
 86-000029
 86-002069
 86-002089
 86-002096
 Digestive System
 86-000202
 86-000203
 Digestive System/Bacteria
 86-000202
 Electrophoresis
 86-000445
 Endocrinology
 86-001409
 Enzymes
 86-000203
 Fertilization/Soil and Water
 86-000029
 Fish as Food
 86-002013
 Food Digestibility
 86-000202
 Foods/Feeding
 86-000001
 Hybridization
 86-000004
 Induced Maturation
 86-002069
 86-002096
 Karyotypes
 86-004092
 Parasites/Diseases
 86-005006
 Polyculture
 86-000029
 86-002089
 Pond Culture
 86-002089
 Reproduction
 86-001409
 Reproductive System
 86-001429
 Scales
 86-000728
Staphylococcus aureus
 86-005006
 Triploid Fish
 86-000004
 Trophic Relationships
 86-004565
Hypopomus artedii
 Electric Organs
 86-001438
 86-003904
 Electrophysiology
 86-001438
Hypopomus beebei
 Electric Organs
 86-003904
Hypopomus occidentalis
 Electric Organs
 86-001438

CONTINUED.

Hypoporus occidentalis
Electric Organs
86-003904
Electrophysiology
86-001438
Hypostomus dlohyi
New Species
86-001787
Hypseleotris galii
Early Development
86-000154
Hypsoblennius hentzi
Mouth Parts
86-001377
Hypsoblennius ionthas
Mouth Parts
86-001377
Hypsoblennius jenkinsi
Abundance/Factors of
86-000803
Age/Growth
86-000803
Bioenergetics
86-000803
86-002495
Icelinus
Fish Lists/Keys
86-004880
Icelinus fimbriatus
Distribution/Geographical
86-004880
Taxonomy
86-004880
Icelinus oculatus
Distribution/Geographical
86-004880
Taxonomy
86-004880
Ichthyomyzon unicuspis
Electroreception
86-002503
Ichthyomyzon greeleyi
Age/Growth
86-000715
Ichthyomyzon unicuspis
Lamprey Parasitism
86-001853
Locomotion
86-000263
Nervous System
86-000263
86-000365
86-000408
Parasites/Diseases
86-001853
Respiration
86-000365
Serotonin
86-000263
Ichthyoscopus lebeck
Acanthobothrium
86-005087
Cestodes
86-005087
Parasites/Diseases
86-005087
Icosteoides
Early Development
86-004867
Taxonomy
86-004867
Ictaluridae
Allocreadium ictaluri
86-005086
Parasites/Diseases
86-005086

CONTINUED.
Ictaluridae
Trematodes
86-005086
Ictalurus
Carcinogens
86-005234
Cyanide
86-001019
Parasites/Diseases
86-005234
Ictalurus catus
Age/Growth
86-002820
Fin Clipping
86-001162
Life History/General
86-002820
Marking/Tagging
86-001162
Ictalurus furcatus
Catfish Traps
86-003264
Distribution/Geography
86-004728
Nets/Netting
86-003264
Ictalurus lupus
Electrophoresis
86-004117
Meristic Studies
86-004117
Ictalurus melas
Biological Indicators
86-005168
Carcinogens
86-005168
Endocrinology
86-002486
Ictalurus nebulosus
Age/Growth
86-000729
86-001697
Brooding Behavior
86-004389
Carcinogens
86-005299
Chemoreception
86-001578
Endocrinology
86-000364
Individual Recognition
86-000475
Mucus
86-005331
pH
86-005331
Pheromones
86-002321
Reproduction
86-000364
Spawning
86-000598
86-002744
Steroids
86-000364
Temperature
86-000729
86-001697
Ictalurus punctatus
Abundance/Factors of
86-000798
Aeromonas hydrophila
86-001808
Age/Growth
86-002815

CONTINUED...
Ictalurus punctatus
 Age/Growth
 86-004112
 Algicides
 86-005324
 Amino Acids
 86-000083
 Anemia
 86-003025
 86-003033
 Anoxia
 86-000238
 Bacterial Diseases
 86-000864
 86-000873
 86-000878
 86-001807
 86-001808
 86-004972
 Biofiltration
 86-003420
 Bioremediation
 86-005212
 Blood Chemistry
 86-000213
 86-000231
 86-000328
 86-000345
 86-003969
 Body Temperature
 86-003962
 Cage Culture
 86-002027
 86-003416
 Calcium
 86-002158
 Catfish Traps
 86-003264
 CCVD
 86-000896
 86-000901
 86-000903
 86-000904
 Cortisol
 86-000231
 Culture/Propagation
 86-000024
 86-000025
 86-000031
 86-000075
 86-000083
 86-001303
 86-001526
 86-002026
 86-002027
 86-002070
 86-002074
 86-002077
 86-002093
 86-002142
 86-002162
 86-002169
 86-003414
 86-003416
 86-003420
 86-003431
 86-003450
 86-003454
 86-003469
 86-003548
 86-003563
 86-003564
 Diets
 86-000083
 86-002162

.. CONTINUED ..
Ictalurus punctatus
 Diets
 86-003548
 86-003563
 Distribution/Geographical
 86-002843
 Distribution/Seasonal
 86-000636
 Economics
 86-002077
 86-003431
 Edwardsiella ictaluri
 86-000864
 86-001807
 86-004972
 Electrophoresis
 86-004117
 Enteric Septicemia of Catfish
 86-001807
 86-004972
 Enzymes
 86-002815
 86-003933
 Enteric Septicemia of Catfish
 86-000864
 Excretory System
 86-003846
 Feeding Experiments
 86-000075
 86-000083
 86-002074
 86-002142
 86-002158
 86-003548
 86-003563
 86-003564
 Feeds
 86-000075
 86-000083
 Fin Clipping
 86-001162
 Fluridone
 86-001902
 Gas Supersaturation
 86-000910
 Genetic Strains
 86-000031
 Gentamicin
 86-000878
 Habitat Selection
 86-000798
 Heated Water
 86-002026
 86-002027
 Heavy Metals
 86-005212
 Henneguya exilis
 86-005028
 Hypoxia
 86-000215
 Ichthyophthiriasis
 86-002978
 Ichthyophthirius multifiliis
 86-002978
 Immunization
 86-002978
 Immunoglobulins
 86-004002
 Iron
 86-002142
 Lipid Metabolism
 86-002307
 86-003969
 Lymphosarcomas
 86-000907

...CONTINUED...
Ictalurus punctatus

Marketing
86-003357
86-003358
Marking/Tagging
86-000636
86-001162
86-005462
Meristic Studies
86-004117
Metabolic Rates
86-000213
Modelling
86-003454
Movements
86-000636
86-002769
Nets/Netting
86-003264
Nitrite
86-005322
Nutrition
86-002142
86-002158
86-002162
86-003548
86-003563
Nutritional Diseases
86-000922
86-003025
Parasites/Diseases
86-000864
86-000873
86-000878
86-000896
86-000901
86-000903
86-000904
86-000907
86-000910
86-000922
86-001791
86-001807
86-001808
86-002978
86-003025
86-003033
86-004972
86-005028
Phosphate Esters
86-001884
Polyculture
86-002026
86-002093
Polyploidy
86-001526
Pond Culture
86-000025
86-002074
86-002093
86-003420
Power Plant Effluents
86-002026
86-002027
Protein Metabolism
86-000291
Protein Synthesis
86-002815
Protozoan Diseases
86-002978
86-005028
Recirculating Systems
86-003454
Saponified Castor Oil
86-005324

SPF/IBQ/B
Ictalurus punctatus
Selective Breeding
86-000374
86-004117
Sex Reversal
86-000740
Skeletal System
86-004179
Solids
86-005324
Specific Dynamic Action
86-000213
Stress
86-000740
86-002769
Tastes and Odor Problems
86-004334
86-004340
Telmetry
86-000636
86-005324
Terrestrial
86-000740
86-002769
86-004340
Thermal Shock
86-000740
Trace Metals
86-005324
Transportation
86-002162
Tropical Fish
86-001526
Vibrio
86-000903
Vibrio anguillarum
86-000903
Viral Diseases
86-000904
86-000903
86-000903
Vision
86-001807
86-002741
86-002742
Water Quality
86-002074
Yellow
Culture/Propagation
86-004342
[Fish] cell culture
Heterocatal [Composition]
86-001791
Lymphatics
[Water] [Composition] [Water]
86-001526
Fish [List] [Key]
86-001526
Identification
86-001526
Life History/General
86-001526
Lymphatic System
[Distribution] [Water]
86-001526
Fish [List] [Key]
86-001526
Identification
86-001526
Life History/General
86-001526
Lymphatic System
[Distribution]
86-001526
Heavy Metals
86-004074

| | |
|--------------------------|----------------------------|
| 86-000204 | Respiration |
| Isurus paucus | 86-001512 |
| Body Temperature | Labeo eura |
| 86-003849 | Blood Chemistry |
| Temperature | 86-000255 |
| 86-003849 | Labeo frenatus |
| Isurus paucus | Aquariums |
| Body Temperature | 86-003607 |
| 86-003849 | Culture/Propagation |
| Temperature | 86-003607 |
| 86-003849 | Labeo rohita |
| Jordanella floridae | Acanthocephala |
| Chlorinated Hydrocarbons | 86-005114 |
| 86-001905 | Age/Growth |
| Heavy Metals | 86-000721 |
| 86-005274 | Bacterial Diseases |
| Insecticides | 86-001804 |
| 86-001905 | Brood Stock |
| 86-005271 | 86-000032 |
| 86-005272 | Columnaris Disease |
| Methoxychlor | 86-001804 |
| 86-001905 | Culture/Propagation |
| 86-005271 | 86-000032 |
| 86-005272 | 86-003462 |
| Trace Metals | Induced Maturation |
| 86-005274 | 86-003462 |
| Kareius bicoloratus | Insecticides |
| Age/Growth | 86-005279 |
| 86-002829 | Pallisentis kalraii |
| Chloride Cells | 86-005114 |
| 86-000152 | Paraechinorhynchus kalraii |
| Embryology | 86-005081 |
| 86-000152 | Parasites/Diseases |
| Salinity | 86-001804 |
| 86-000152 | 86-005081 |
| Katsuwonus pelamis | 86-005114 |
| Chromosome Studies | Phosphamidon |
| 86-002616 | 86-005279 |
| Exercise | Selective Breeding |
| 86-001515 | 86-000032 |
| Foods/Feeding | Stress |
| 86-000652 | 86-001804 |
| 86-001660 | Trematodes |
| 86-002800 | 86-005081 |
| Gills | Labeo umbratus |
| 86-001390 | Blood Chemistry |
| Locomotion | 86-001927 |
| 86-003819 | Lernaea barnimiani |
| Musculature | 86-003048 |
| 86-003819 | Parasites/Diseases |
| Parasites/Diseases | 86-003048 |
| 86-000853 | Parasitic Copepods |
| Respiration | 86-003048 |
| 86-001390 | Toxicology |
| Kyphosus cinerascens | 86-001927 |
| Nematodes | Labridae |
| 86-000921 | Mouth Parts |
| Parasites/Diseases | 86-001376 |
| 86-000921 | Labroides |
| Pseudascaphis kyphosi | Early Development |
| 86-000921 | 86-004887 |
| Labeo bata | Taxonomy |
| Blood Chemistry | 86-004887 |
| 86-000255 | Lagodon rhomboides |
| Labeo capensis | Cage Culture |
| Blood Chemistry | 86-002027 |
| 86-001512 | |

| | |
|------------------------------|-----------------------------|
| Lagodon rhomboides | Parental Kidney Disease |
| Cage Culture | 86-003940 |
| 86-002110 | Body Temperature |
| Culture/Propagation | 86-003941 |
| 86-002027 | Parasites/Diseases |
| 86-002110 | 86-003940 |
| Foods/Feeding/Selectivity | Reproduction/Reproduction |
| 86-002788 | 86-003940 |
| Heated Water | Temperature |
| 86-002027 | 86-003941 |
| 86-002110 | 86-003941 |
| Karyotypes | Large Fishes, Large Fishes |
| 86-002599 | Aquaculture |
| Power Plant Effluents | 86-003942 |
| 86-002027 | Culture/Propagation |
| 86-002110 | 86-003942 |
| Predator/Prey Relationships | Large Fishes |
| 86-002788 | Early Development |
| Lamna ditropis | 86-003943 |
| Body Temperature | Latitudes |
| 86-003849 | 86-003944 |
| Temperature | Large Fishes |
| 86-003849 | Age/Size/Weight |
| Lamna nasus | 86-003945 |
| Body Temperature | Feeding Behavior |
| 86-003849 | 86-003946 |
| Temperature | Mortality Rates |
| 86-003849 | 86-003947 |
| Lampanyctus ritteri | Large Fishes, Large Fishes |
| Lampanyctophilus wisneri | Aquaculture |
| 86-005133 | 86-003948 |
| Parasites/Diseases | Culture/Propagation |
| 86-005133 | 86-003949 |
| Trematodes | Large Fishes, Large Fishes |
| 86-005133 | Aquaculture |
| Lampetra appendix | 86-003950 |
| Distribution/Geographical | Culture/Propagation |
| 86-001735 | 86-003951 |
| Lampetra fluviatilis | Large Fishes, Large Fishes |
| Blood Chemistry | 86-003952 |
| 86-002469 | Reproduction |
| 86-003984 | 86-003953 |
| Musculature | Large Fishes, Large Fishes |
| 86-000181 | Aquaculture |
| pH Regulation | 86-003954 |
| 86-002469 | Large Fishes, Large Fishes |
| Respiration | 86-003955 |
| 86-002505 | Culture/Propagation |
| Lampetra japonica | 86-003956 |
| Caudal Neurosecretory System | Large Fishes, Large Fishes |
| 86-000348 | Aquaculture |
| Digestive System | 86-003957 |
| 86-001367 | Large Fishes, Large Fishes |
| Hormones | 86-003958 |
| 86-003890 | Large Fishes, Large Fishes |
| Maturation | 86-003959 |
| 86-002380 | Large Fishes, Large Fishes |
| 86-003890 | Large Fishes, Large Fishes |
| Pineal Body | 86-003960 |
| 86-004053 | Large Fishes, Large Fishes |
| Reproduction | 86-003961 |
| 86-002380 | Large Fishes, Large Fishes |
| Lampetra planeri | Large Fishes, Large Fishes |
| Biochemical Composition | 86-003962 |
| 86-002458 | Large Fishes, Large Fishes |
| Pineal Body | 86-003963 |
| 86-000330 | Large Fishes, Large Fishes |
| Lampetra reissneri | Large Fishes, Large Fishes |
| Maturation | 86-003964 |
| 86-002380 | Large Fishes, Large Fishes |
| Reproduction | 86-003965 |
| 86-002380 | Large Fishes, Large Fishes |
| Lampetra tridentata | Large Fishes, Large Fishes |
| Bacterial Diseases | 86-003966 |
| 86-004950 | Management/Research Methods |
| | 86-003967 |

eioognathidae
 Taxonomy
 86-000824
 eioognathus splendidus
 Skeletal System
 86-000176
 eioopotherapon unicolor
 Parasites/Diseases
 86-001830
 Retrobulla angelae
 86-001830
 Trematodes
 86-001830
 Leioscerus xanthurus
 Age/Growth
 86-000741
 86-001710
 Cage Culture
 86-002110
 Culture/Propagation
 86-002110
 Foods/Feeding
 86-001670
 Heated Water
 86-002110
 Moverents
 86-001710
 86-004476
 Otoliths
 86-000741
 Power Plant Effluents
 86-002110
 Lepadogaster candollei
 Epidermis
 86-004084
 Integument
 86-004084
 Lepidocephalus guntea
 Digestive System
 86-003811
 Lepidorhynchus denticulatus
 Competition
 86-000660
 Foods/Feeding
 86-000661
 Foods/Feeding/Selectivity
 86-000660
 Leptodostren paradoxa
 Mouth Parts
 86-001352
 Leptisosteus oculatus
 Air Breathing
 86-000328
 Leptisosteus osseus
 Early Development
 86-003813
 Leptisosteus platyrhincus
 pH
 86-001003
 Lepomis
 Aromatic Hydrocarbons
 86-005297
 Lepomis auritus
 Foods/Feeding
 86-002807
 Lepomis cyanellus
 Age/Growth
 86-000026
 Anadonta grandis grandis
 86-003017
 Asbestos
 86-001877
 Cestodes
 86-003031
 Culture/Propagation
 86-000026
 ..CONTINUED
 Lepomis cyanellus
 Enzyres
 86-003933
 Growth
 86-000026
 Hybridization
 86-000026
 86-005467
 Management/Research--Ponds
 86-005467
 Nitrite
 86-005322
 Parasites/Diseases
 86-003017
 86-003031
 Parasitic Molluscs
 86-003017
 Pond Culture
 86-000026
 Protocephalus
 86-003031
 Stocking/Introductions
 86-005467
 Lepomis gibbosus
 Competition
 86-004514
 Predator/Prey Relationships
 86-004514
 Lepomis humilis
 Oil Refinery Effluents
 86-003138
 Lepomis macrochirus
 Abundance/Factors of
 86-001751
 Acrylamide
 86-003117
 Age/Growth
 86-000026
 86-001694
 86-004651
 Ammonia
 86-003128
 Anthracene
 86-005296
 Aromatic Hydrocarbons
 86-005296
 86-005297
 Bioassay Techniques
 86-005250
 Bioenergetics
 86-001694
 Biological Monitoring
 86-005250
 Biomagnification
 86-003080
 Blood Chemistry
 86-001516
 Body Temperature
 86-003962
 Brooding Behavior
 86-000600
 Cadmium
 86-001874
 86-001928
 Calcium
 86-001516
 Condition Factors
 86-001694
 Copper
 86-001874
 86-005267
 Culture/Propagation
 86-000026
 86-001336
 Distribution/Seasonal
 86-000525

| | | | |
|---------------------------|-----------|---------------------------|---------------------|
| Foods/Feeding | 86-004618 | Parasites/Diseases | 86-005041 |
| Heavy Metals | 86-001028 | Protozoan Diseases | 86-005041 |
| Hypertrophia | 86-003004 | Liza abu | pH |
| Iron | 86-005082 | | 86-002289 |
| Parasites/Diseases | 86-003004 | Salinity | 86-002289 |
| | 86-005082 | Temperature | 86-002289 |
| Limanda schronki | | Liza aurata | Endocrinology |
| DNA | 86-003707 | | 86-003845 |
| Early Development | 86-003707 | Reproduction | 86-003845 |
| RNA | 86-003707 | Liza macrolepis | Culture/Propagation |
| Limanda yokohamae | | | 86-002083 |
| Age/Growth | 86-002830 | | 86-002105 |
| Culture/Propagation | 86-003557 | Egg Collection | 86-002105 |
| Feeding Experiments | 86-003557 | Fingerling Production | 86-002105 |
| Lionurus carapinus | | Liza richardsoni | Foods/Feeding |
| Distribution/Geographical | 86-004706 | | 86-001684 |
| Lipopoma | | Liza saliens | Early Development |
| Aquariums | 86-000094 | | 86-002261 |
| Culture/Propagation | 86-000094 | Reproductive System | 86-002261 |
| Liposetta obscura | | Temperature | 86-003945 |
| Auditory Senses | 86-000506 | Lophaltilus chamaeleontic | Spawning |
| Liparis fabricii | | | 86-000604 |
| Distribution/Geographical | 86-000750 | Lophiidae | Taxonomy |
| Spawning | 86-000750 | | 86-000816 |
| Liparis gibbus | | Lophiiformes | Early Development |
| Distribution/Geographical | 86-000750 | | 86-004881 |
| Spawning | 86-000750 | Taxonomy | 86-004881 |
| Liparis tanakai | | Lophius budegassa | Musculature |
| Foods/Feeding | 86-004523 | | 86-002335 |
| | | Protein Synthesis | 86-002335 |

Lophius litulon
 Pigments
 86-003765
Lophius piscatorius
 Foods/Feeding
 86-001661
 Musculature
 86-002335
 Protein Synthesis
 86-002335
Lophius upsicephalus
 Foods/Feeding
 86-001676
Lopholatilus chamaeleonticeps
 Activity Patterns
 86-004188
 Age/Growth
 86-000575
 Age/Length Composition
 86-000575
 Burrowing Behavior
 86-004188
 Distribution/Factors of
 86-000485
 Fecundity
 86-002363
 Habitat Selection
 86-000485
 86-004188
 Harvest
 86-003334
 Hermaphroditism
 86-002363
 Life History/General
 86-003334
 Management/Research--Marine
 86-000575
 86-003334
 Maturation
 86-002363
 Mortality Rates
 86-000575
 Population Studies
 86-000575
 86-004379
 Reproduction
 86-000604
 Substrate Composition
 86-000485
Lota lota
 Cestodes
 86-005105
 Culture/Propagation
 86-002082
 Digestive System
 86-001373
 Egg Collection
 86-002082
 Fertility
 86-002082
 Fertilization
 86-002082
 Foods/Feeding/Selectivity
 86-004516
Gyrodactylus katharineri
 86-005089
Gyrodactylus lotae
 86-005089
Gyrodactylus lucii
 86-005089
 Karyotypes
 86-004141
 Parasites/Diseases
 86-005089
 86-005105

...CONTINUED..

Lota lota
 Trematodes
 86-005089
Triacnophorus nodulosus
 86-005105
Lucania parva
 Taxonomy
 86-002908
Luciocyprinus
 Taxonomy
 86-002897
Lucioperca lucioperca
 Population Studies
 86-004331
Luripnus maculatus
 Lipid Metabolism
 86-003877
Lutjanidae
 Artificial Reefs
 86-001067
 Management/Research--Ma
 86-001067
Lutjanus analis
 Age/Growth
 86-004644
 Length-Weight Relations
 86-004644
 Mortality Rates
 86-004644
Lutjanus argentimaculatus
 Age/Growth
 86-002810
Lutjanus argentiventris
 Taxonomy
 86-000830
Lutjanus bohar
 Life History/General
 86-002704
Lutjanus buccanella
 Age/Growth
 86-004634
Lutjanus coccineus
 Age/Growth
 86-002689
 86-002835
 Culture/Propagation
 86-002689
 Management/Research--Ma
 86-002728
 Maturation
 86-002689
 Population Studies
 86-002728
 Spawning
 86-002689
Lutjanus synagris
 Mortality Rates
 86-004313
 Population Studies
 86-004313
 Survival
 86-004313
Lycodes
Ichthyofilaria canadensis
 86-001822
 Nematodes
 86-001822
Macquaria ambigua
 Algal Infections
 86-003026
 Parasites/Diseases
 86-003026
Macquaria novemaculeata
 Fecundity
 86-004400

86-004400
 Reproduction
 86-004400
 Spawning
 86-004400
Macrones halepensis colvillii
 Taxonomy
 86-004787
Macropodus opercularis
 Behavior
 86-000447
 Defensive Behavior
 86-002635
 Electrophoresis
 86-002606
 Genetics
 86-000447
 Learning
 86-004102
 Predator/Prey Relationships
 86-002635
 Prostaglandins
 86-004066
Macrorhamphus gracilis
 Light
 86-004163
Macrostomus
 Taxonomy
 86-002894
Macrouridae
 Distribution/Geographical
 86-002861
 Distribution/Seasonal
 86-002861
 Myxosporidia
 86-000885
 Otoliths
 86-000511
 Parasites/Diseases
 86-000885
 Protozoan Diseases
 86-000885
Macrurus berglax
 Life History/General
 86-002698
 Population Studies
 86-002698
Macrozoarces americanus
 Autoregulation
 86-000217
 Foods/Feeding
 86-004557
 Spawning
 86-000615
Macrurus novaezealandiae
 Competition
 86-000660
 Foods/Feeding
 86-000661
 Foods/Feeding/Selectivity
 86-000660
Macrurus rupestris
 Distribution/Vertical
 86-004470
Macurus coryphaenoides
 Nets/Netting
 86-005502
 Trawls
 86-005502
Makaira mazara
 Biomagnification
 86-003071
 Heavy Metals
 86-003071

86-003071
 Selenium
 86-003071
Makaira nigricans
 AFP
 86-001397
 Bioenergetics
 86-004048
 Enzymes
 86-004048
 Locomotion
 86-002349
 Musculature
 86-001397
 Respiration
 86-002349
Malacocephalus boretzii
 New Species
 86-002910
Mallotus villosus
 Age/Growth
 86-000723
 Antifreeze Production
 86-002344
 Competition
 86-004498
 Eggs
 86-003697
 Embryology
 86-003712
 Foods/Feeding
 86-004498
 Life History/General
 86-000550
 Mortality Rates
 86-000571
 Movements
 86-000571
 Otoliths
 86-000723
 Population Studies
 86-000550
 86-000571
 Salinity
 86-002344
 Temperature
 86-002344
Mallotus villosus villosus
 Predator/Prey Relationships
 86-004578
Manacopus falcifer
 Fins
 86-002268
Marcusenius senegalensis
 Foods/Feeding
 86-002781
Marilyna
 New Genus
 86-004832
 86-004833
Mastacembelus
 Taxonomy
 86-004894
Mastacembelus pauculus
 Blood Chemistry
 86-000255
Megalops atlanticus
 Karyotypes
 86-000440
Melanogrammus aeglefinus
 Costiaasis
 86-002984
 Egg Identification
 86-001276

Ichthyobodo
 86-002984
Management/Research--Marine
 86-005541
 86-005667
Parasites/Diseases
 86-002984
Protozoan Diseases
 86-002984
Recruitment
 86-005667
Risk Analysis
 86-005541
Melanotaenia herbertaxelrodi
Aquariums
 86-003599
Culture/Propagation
 86-003599
Melanotaenia nigra
Early Development
 86-004394
Embryology
 86-003695
Spawning
 86-004394
Melanotaenia splendida inornata
Early Development
 86-003695
 86-004394
Spawning
 86-003695
 86-004394
Melanotaenia trifasciata
Aquariums
 86-001332
Culture/Propagation
 86-001332
Merluccius productus
Management/Research--Marine
 86-002001
Meridia beryllina
Carcinogens
 86-005265
Competition
 86-000655
Foods/Feeding
 86-000655
Parasites/Diseases
 86-005265
Salinity
 86-001644
Spawning
 86-001644
Tumors
 86-005265
Meridia meridia
Chlorine
 86-005255
Competition
 86-000655
Fecundity
 86-000227
Foods/Feeding
 86-000655
Pollution Avoidance
 86-005255
Sex Determination
 86-003857
Temperature
 86-003857
Meridia peninsulae
Salinity
 86-001644
Spawning
 86-001644

Life History/General
 86-002693
Management/Research--Marine
 86-002693
Merlangius merlangus
Foods/Feeding
 86-004575
Trophic Relationships
 86-004575
Merluccius
Life History/General
 86-004322
Management/Research--Marine
 86-004322
Population Studies
 86-004322
Merluccius australis
Aporocotyle australis
 86-003015
Parasites/Diseases
 86-003015
Trematodes
 86-003015
Merluccius bilinearis
Age/Growth
 86-002833
 86-004648
Distribution/Factors of
 86-000633
Temperature
 86-000633
Merluccius hubbsi
Movements
 86-004448
Merluccius productus
Economic Values
 86-002000
Fecundity
 86-002756
Life History/General
 86-001597
 86-002006
Management/Research--Marine
 86-002000
 86-002003
 86-002006
 86-002007
 86-002010
Nets/Netting
 86-001974
Parasites/Diseases
 86-001794
Population Studies
 86-001602
 86-001605
 86-001618
Recruitment
 86-001602
Trophic Relationships
 86-001674
Mesogobius batrachocephalus
Culture/Propagation
 86-001300
Early Development
 86-001300
Embryology
 86-001300
Microgadus tomcod
Carcinogens
 86-005093
Hepatic Carcinomas
 86-005093
Parasites/Diseases
 86-005093

1. CONTINUED...

Micromesistius australis
Competition
86-000660
Foods/Feeding
86-000661
Foods/feeding/Selectivity
86-000660
Micromesistius poutassou
Blood Chemistry
86-004067
Distribution/Geographical
86-004663
Population Studies
86-004663
Micropogon undulatus
Cage Culture
86-002110
86-002111
Culture/Propagation
86-002110
86-002111
86-002115
Heated Water
86-002110
Polyculture
86-002115
Power Plant Effluents
86-002110
Temperature
86-002111
Micropogonias undulatus
Age/Growth
86-000714
Cage Culture
86-002121
Culture/Propagation
86-002121
Foods/Feeding
86-001670
Heavy Metals
86-003113
Induced Maturation
86-000412
Lead
86-003113
Micropterus coosae
Age/Growth
86-002832
Meristic Studies
86-002832
Micropterus dolomieu
Abundance/Factors of
86-004752
Age/Growth
86-004639
Aluminum
86-000943
Biomagnification
86-000943
Foods/Feeding
86-000658
Habitat Selection
86-002633
86-002663
86-002669
86-004639
Hatching Success
86-001748
Heavy Metals
86-000943
86-003095
Lead
86-003095
Management/Research--Reservoirs
86-003234

Micropterus dolomieu
Management/Research--River
Streams
86-001156
pH
86-003862
Regulations
86-001156
Size Limits
86-001156
Starvation
86-003862
Stocking/Introductions
86-003234
Temperature
86-001748
Wind
86-001748
86-004752
Micropterus notius
Foods/Feeding
86-001686
Habitat Selection
86-001686
Micropterus punctulatus
Habitat Evaluation
86-003297
Habitat Rating Systems
86-003297
Management/Research--River
Streams
86-003297
Micropterus salmoides
Age/Growth
86-002813
86-002834
Competition
86-000044
86-000503
86-004192
86-004779
Creel Census
86-001143
Culture/Propagation
86-000044
Electrophoresis
86-001542
86-005456
Escape Behavior
86-004612
Fishing Tournaments
86-001055
86-001143
86-005350
Foods/Feeding
86-000688
86-001686
86-002675
86-002777
86-004475
86-004559
86-004597
Foods/Feeding/Selectivity
86-000678
Fright Behavior
86-000474
Genetic Markers
86-005456
86-005465
Habitat Selection
86-000502
86-000503
86-001686
86-002633
86-002675

| | |
|---------------------------------|-------------------------|
| 86-002459 | 86-003308 |
| Iron | Stocking/Introductions |
| 86-002459 | 86-000722 |
| Morone | 86-001177 |
| Age/Growth | 86-003239 |
| 86-000743 | 86-004255 |
| Hybridization | Survival |
| 86-000743 | 86-000722 |
| Onchocleidus interruptus | Morone mississippiensis |
| 86-005079 | Population Studies |
| Onchocleidus mimus | 86-004311 |
| 86-005079 | Morone saxatilis |
| Parasites/Diseases | Abnormalities |
| 86-005079 | 86-002241 |
| Taxonomy | Abundance/Factors of |
| 86-004906 | 86-000950 |
| Trematodes | Age/Growth |
| 86-005079 | 86-000691 |
| Morone americana | 86-000722 |
| Abnormalities | 86-000726 |
| 86-003784 | 86-000740 |
| Chlorine | 86-000741 |
| 86-005255 | 86-001520 |
| Competition | Allycyclic Hexanes |
| 86-002797 | 86-000985 |
| Fins | Aluminum |
| 86-003784 | 86-000950 |
| Foods/Feeding | Bacterial Diseases |
| 86-001663 | 86-000879 |
| 86-002797 | 86-002947 |
| Hybridization | 86-002952 |
| 86-001549 | Blood Chemistry |
| Pollution Avoidance | 86-004071 |
| 86-005255 | Brackishwater Culture |
| Population Studies | 86-002067 |
| 86-004371 | 86-002088 |
| Morone chrysops | Cestodes |
| Age/Growth | 86-003040 |
| 86-000722 | Condition Factors |
| 86-002836 | 86-000722 |
| Condition Factors | Cree! Census |
| 86-000722 | 86-001962 |
| Culture/Propagation | Culture/Propagation |
| 86-000041 | 86-000041 |
| 86-000041 | 86-001294 |
| 86-002099 | 86-002065 |
| 86-003439 | 86-002067 |
| Foods/Feeding | 86-002088 |
| 86-001663 | 86-002099 |
| Fry Production | 86-002140 |
| 86-002099 | 86-003439 |
| Hybridization | Digestive System |
| 86-000722 | 86-003831 |
| 86-001052 | Distribution/Vertical |
| 86-001177 | 86-000643 |
| 86-001549 | DNA |
| 86-002099 | 86-001520 |
| 86-003239 | Edwardsiella tarda |
| 86-003308 | 86-002947 |
| 86-004255 | Enzymes |
| Induced Maturation | 86-002472 |
| 86-002099 | 86-003831 |
| Life History/General | Feeding Experiments |
| 86-004255 | 86-002140 |
| Management/Research--General | Fertilization/Soil and |
| 86-001052 | 86-001294 |
| Management/Research--Ponds | Flexibacter columnaris |
| 86-003308 | 86-002952 |
| Management/Research--Reservoirs | Fish Stocks |
| 86-000722 | 86-004325 |
| 86-003239 | Foods/Feeding |
| Pond Culture | 86-000691 |
| 86-000041 | 86-001294 |

Morone saxatilis

Foods/Feeding

86-002808

Fry Production

86-002099

Harvest

86-001962

Healing

86-003040

Heavy Metals

86-000950

Hybridization

86-000041

86-000722

86-001052

86-001177

86-002099

86-003239

86-003308

86-004255

Hydrocarbons

86-000985

Induced Maturation

86-002099

IPN

86-000902

Lacistorhynchus tenuis

86-003040

Life History/General

86-000524

86-002065

86-004255

Management/Research--General

86-001052

86-002065

Management/Research--Ponds

86-003308

Management/Research--Reservoirs

86-000722

86-003239

Marking/Tagging

86-001163

Mortality Factors

86-000851

Musculature

86-000332

Mutagens

86-001525

Nerocila acuminata

86-003051

Oil

86-000985

Otoliths

86-000740

86-000741

Parasites/Diseases

86-000851

86-000879

86-000902

86-002947

86-002952

86-003040

86-003051

Parasitic Isopods

86-003051

Pollution

86-000950

Pond Culture

86-000041

86-001294

86-002067

86-002140

Predator Introductions

86-003308

RNA

86-001520

Statistical

86-001520

Stocking/Introductions

86-000722

86-001177

86-003239

86-004255

Supplemental Feeding

86-001140

Survival

86-000722

Temperature

86-000332

86-000644

86-001472

Moisture Pollution

86-000524

Thermal Stratification

86-000041

Vitamins

86-000902

Viral Infections

86-000902

Reservoir Contamination

Distribution/Geography

86-003051

Reservoir Contamination

Distribution/Geography

86-003051

Reservoir Contamination

Distribution/Geography

86-003051

Reptiles

Artificial Propagation

86-001141

Feeding/Experimentation

86-001141

Reptiles

Culture/Propagation

86-001141

86-001141

Diet

86-001141

86-001141

Feeding Experiments

86-001141

86-001141

Feeds

86-001141

86-001141

86-001141

Reptiles

Culture/Propagation

86-001141

86-001141

Culture/Propagation

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

86-001141

| | |
|-----------------------|------------------------------|
| Ichthyophonus | Early Development |
| 86-005041 | 86-004810 |
| Induced Maturation | Taxonomy |
| 86-002561 | 86-004810 |
| 86-003507 | Mullidae |
| Life History/General | Foods/Feeding |
| 86-000522 | 86-004596 |
| Parasites/Diseases | Mycteroperca phenax |
| 86-000843 | Parasites/Diseases |
| 86-000914 | 86-000912 |
| 86-005041 | Tumors |
| Polyculture | 86-000912 |
| 86-002115 | Myctophidae |
| Pond Culture | Distribution/Geographical |
| 86-003482 | 86-000752 |
| Protozoan Diseases | Distribution/Vertical |
| 86-005041 | 86-002768 |
| Reproduction | Early Development |
| 86-002561 | 86-003758 |
| Temperature | Foods/Feeding |
| 86-000914 | 86-002768 |
| 86-002111 | Spawning |
| 86-003945 | 86-001645 |
| Trophic Relationships | Taxonomy |
| 86-001664 | 86-004879 |
| Mugil chelo | Myctophiformes |
| Culture/Propagation | Early Development |
| 86-003482 | 86-003766 |
| Pond Culture | Taxonomy |
| 86-003482 | 86-004877 |
| Mugil curema | Myctophum asperum |
| Aeromonas | Distribution/Geographical |
| 86-000868 | 86-002871 |
| Aeromonas hydrophila | Myersina |
| 86-004983 | Taxonomy |
| Bacterial Diseases | 86-004838 |
| 86-000868 | 86-004839 |
| 86-004983 | Myersina lachneri |
| Foods/Feeding | New Species |
| 86-001664 | 86-004838 |
| Gyrodactylus | 86-004839 |
| 86-005091 | Mylio macrocephalus |
| Life History/General | Maturation |
| 86-000523 | 86-003983 |
| Parasites/Diseases | Myliobatis freminvillei |
| 86-000844 | Multicalyx cristata |
| 86-000868 | 86-005149 |
| 86-000913 | Parasites/Diseases |
| 86-004983 | 86-005149 |
| 86-005091 | Trematodes |
| 86-005092 | 86-005149 |
| Parasitic Copepods | Mylopharodon conocephalus |
| 86-000913 | Habitat Selection |
| Phagicola longa | 86-004196 |
| 86-005092 | Temperature |
| Salinity | 86-004196 |
| 86-002369 | Myoxocephalus |
| Trematodes | Foods/Feeding |
| 86-000913 | 86-004542 |
| 86-005091 | Myoxocephalus octodecimspina |
| 86-005092 | Blood Chemistry |
| Trophic Relationships | 86-002326 |
| 86-001664 | 86-003903 |
| Mugil incilis | Osmoregulation |
| Condition Factors | 86-002328 |
| 86-000737 | pH Regulation |
| Mugil robustus | 86-002326 |
| Life History/General | 86-002328 |
| 86-004281 | Salinity |
| Mugilidae | 86-002328 |
| Culture/Propagation | Myoxocephalus scorpius |
| 86-002081 | Blood Chemistry |
| Mugilidae | 86-003903 |
| Identification/Larvae | Excretory System |
| 86-004801 | 86-001462 |

...CONTINUED...

- Myoxocephalus scorpius*
Osmoregulation
86-001462
- Myoxocephalus thompsoni*
Abundance/Factors of
86-002879
Population Studies
86-002879
Predator/Prey Relationships
86-002879
- Nystus*
Taxonomy
86-004787
- Nystus misrai*
New Species
86-004787
- Nystus nemurus*
Foods/Feeding
86-004486
- Nystus tempara*
Blood Chemistry
86-000255
- Myxine glutinosa*
Biochemical Composition
86-004017
Cardio-Vascular System
86-004026
Digestive System
86-002375
Endocrinology
86-002371
Enzymes
86-002375
Excretory System
86-002371
Immune Response
86-004075
Insulin
86-003875
Musculature
86-003685
86-004017
- Myxocephalus scorpius*
Osmoregulation
86-004034
- Nannacara anomala*
Aggressive Behavior
86-004177
- Nealotus tripes*
Distribution/Geographical
86-004715
- Negaprion brevirostris*
Age/Growth
86-000724
Foods/Feeding
86-002798
- Nemachilus barbatulus*
Habitat Selection
86-004224
Parasites/Diseases
86-004915
- Nemadactylus macropterus*
Activity Patterns
86-004222
Habitat Selection
86-004222
Light
86-004222
- Nematocharax*
New Genus
86-002917
- Nematocharax venustus*
New Species
86-002917
- Nematolosa vlaminghtii*
- Nematolosa vlaminghtii*
Condition Factors
86-002914
- Nematolosa*
Age/Growth
86-004222
Distribution/Geography
86-004222
Distribution/Ventilation
86-004222
Habitat
86-004222
Mortality Rates
86-004222
- Nematolosa chrysogaster*
Life History/General
86-004222
- Nematolosa*
Taxonomy
86-004222
- Nematolosa japonica*
Life History/General
86-004222
- Nematolosa*
Distribution/General
86-004222
- Nematolosa*
New Genus
86-004222
- Nematolosa chrysogaster*
New Species
86-004222
- Nematolosa*
Reproductive Relationships
Copephagy
86-004222
Culture/Propagation
86-004222
Embryology
86-004222
Embryo Hatching
86-004222
- Nematolosa nana*
Distribution/Geography
86-004222
- Nematolosa*
Distribution/Geography
86-004222
Distribution/Ventilation
86-004222
Fish Tests/Treatments
86-004222
Identification
86-004222
Life History/General
86-004222
- Nematolosa*
Reproductive Relationships
Distribution/Ventilation
86-004222
Fish Tests/Treatments
86-004222
Identification
86-004222
Life History/General
86-004222
- Nematolosa*
New Species
86-004222
- Nematolosa barbatulus*
Activity Patterns
86-004222
Heterocercal Location
86-004222
Pathology
86-004222
Food/Feeding
86-004222
Lymphatic System
86-004222

Noemacheilus barbatulus
 Heavy Metals
 86-005159
Nortopis cornutus
 Schooling Behavior
 86-001530
Notacanthiformes
 Distribution/Geographical
 86-002851
 Early Development
 86-003691
 Morphology
 86-002851
 Taxonomy
 86-004897
Notemigonus crysoleucas
 Channel Catfish Reovirus
 86-002988
 Chin Salmon Virus
 86-002988
 Gill Parasites
 86-003009
 Golden Shiner Virus
 86-002988
Myxobolus
 86-003009
Myxosporea
 86-003009
Octosporella
 86-000889
 Parasites/Diseases
 86-000889
 86-002988
 86-003009
 Protozoan Diseases
 86-000889
 86-003009
 Reovirus 13P2
 86-002988
 Viral Diseases
 86-002988
Nothobranchius
 Aquariums
 86-002175
 Culture/Propagation
 86-002175
 Distribution/Geographical
 86-004699
 Taxonomy
 86-004699
Nothobranchius korthausae
 Respiration
 86-003951
Nothobranchius patrizii
 Aquariums
 86-003605
 Culture/Propagation
 86-003605
Nothobranchius rachowi
 Bioassay Techniques
 86-001926
 Sister-Chromatid Exchange Assay
 86-001926
Notolepis coatsi
 Foods/Feeding
 86-004615
 Trophic Relationships
 86-004615
Notopteris notopteris
 Blood Chemistry
 86-000255
 Foods/Feeding
 86-004486
Notorynchus pectorosus
 Distribution/Geographical
 86-004711

Notothernia microlepidota
 Competition
 86-000660
 Foods/Feeding
 86-000661
 Foods/Feeding/Selectivity
 86-000660
Notothernia neglecta
 Bioenergetics
 86-002292
 Musculature
 86-000185
 86-002292
Notothernia rossii
 Musculature
 86-000283
Notothernia squamifrons
 Abundance/Factors of
 86-000791
 Weather
 86-000791
Nototherniaidea
 Early Development
 86-004901
 Taxonomy
 86-004901
Nototherniops tchizh
 Fecundity
 86-002276
 Sexual Dimorphism
 86-002276
 Taxonomy
 86-002276
Notropis anogenus
 Aldrin
 86-005323
 Heptachlor
 86-005323
 Insecticides
 86-005323
 Organochlorines
 86-005323
Notropis callentis
 Fish Lists/Keys
 86-001764
 Taxonomy
 86-001764
Notropis chiliticus
 Distribution/Geographical
 86-004672
 Status
 86-004672
Notropis chrysocephalus
 Variation Studies
 86-000441
Notropis cornutus
 Cadmium
 86-005236
 DCP
 86-005236
 Electrophoresis
 86-001530
 Heavy Metals
 86-005236
Octosporella
 86-000889
 Osmoregulation
 86-002302
 Parasites/Diseases
 86-000889
 Pentachlorophenol
 86-005236
 Protozoan Diseases
 86-000889
 Variation Studies
 86-000441

- Notropis hubbsi*
 Life History/General
 86-004240
 Status
 86-004240
- Notropis hudsonius*
 Biomagnification
 86-000968
 Heavy Metals
 86-000968
 Mercury
 86-000968
 Organochlorines
 86-000968
 Polychlorinated Biphenyls
 86-000968
- Notropis leedsi*
 Spawning
 86-002753
- Notropis lutrensis*
 Fecundity
 86-004397
 Life History/General
 86-004254
 Spawning
 86-004397
 Temperature
 86-002465
- Notropis simus pecosensis*
 Life History/General
 86-003535
- Notropis spilopterus*
 Taxonomy
 86-001783
 Variation Studies
 86-001783
- Notropis venustus*
 Spawning
 86-004403
- Noturus*
 Fish Lists/Keys
 86-002846
- Noturus eleutherus*
 Life History/General
 86-000558
- Noturus flavus*
 Ligistaluridus posthon
 86-000920
 Parasites/Diseases
 86-000920
 Trematodes
 86-000920
- Noturus gyrinus*
 Life History/General
 86-004299
- Noturus insignis*
 Distribution/Geographical
 86-002846
 Status
 86-002846
- Noturus nocturnus*
 Distribution/Geographical
 86-002863
- Noturus placidus*
 Distribution/Geographical
 86-002872
- Odontaspis ferox*
 Distribution/Geographical
 86-000760
 86-004733
- Odontesthes bonariensis*
 Life History/General
 86-004295
- Odontesthes mauleanum*
 Life History/General
 86-004295
- Odontogadus merlangus euxin*
 Cannibalism
 86-004593
 Foods/Fercling
 86-004593
 Predator/Prey Relationship
 86-004593
- Oncoccephallidae*
 Aquariums
 86-001325
 Culture/Propagation
 86-001325
- Oligocottus*
 Taxonomy
 86-002916
- Oligocottus snyderi*
 Life History/General
 86-001586
- Oncorhynchus keta*
 Culture/Propagation
 86-002062
- Oncorhynchus*
 Abundance/Factors of
 86-002883
 Cadmium
 86-000987
 Chlorinated Hydrocarbons
 86-005108
 Commercial Fishing
 86-003327
 Culture/Propagation
 86-002047
 86-002054
 86-002144
- Oars*
 86-001947
- Diets*
 86-002144
- Distribution/Factors of*
 86-004473
- Distribution/Seasonal*
 86-004473
- DNA*
 86-002543
- Eggs*
 86-002510
- Electrophoresis*
 86-000837
- Endocrinology*
 86-000397
- Feeding Experiments*
 86-002144
- Filtration Systems*
 86-002054
- Fish Passage*
 86-001196
 86-003343
- Fish Stocks*
 86-002718
- Fishways*
 86-003343
- Flow Regimes*
 86-005402
- Foods/Feeding*
 86-002774
- Forecasting*
 86-001610
 86-002008
- Forestry Practices*
 86-005379
 86-005402
 86-005412
 86-005592
- Gas Bubble Disease*
 86-005108

| | |
|---------------------------------|---------------------------|
| Gas Supersaturation | Abundance/Factors of |
| 86-005108 | 86-002878 |
| Habitat Selection | 86-004754 |
| 86-005608 | Blood Chemistry |
| Harvest | 86-003966 |
| 86-002009 | Cortisol |
| Heavy Metals | 86-003966 |
| 86-000987 | Culture/Propagation |
| Injuries | 86-005103 |
| 86-000931 | Currents |
| Jurisdiction | 86-004754 |
| 86-003316 | Distribution/Geographical |
| 86-003318 | 86-004680 |
| 86-003331 | Early Development |
| Leeches | 86-002221 |
| 86-001825 | Egg Survival |
| Life History/General | 86-002221 |
| 86-002679 | Embryology |
| 86-004266 | 86-002221 |
| Magnetic Fields | Endocrinology |
| 86-002673 | 86-000437 |
| Management/Research--General | Fish Stocks |
| 86-003169 | 86-002221 |
| 86-003171 | Flow Regimes |
| 86-003175 | 86-000552 |
| 86-003320 | Foods/Feeding |
| 86-003327 | 86-002688 |
| 86-003343 | Hatching Time |
| 86-003351 | 86-003979 |
| 86-005346 | Helminths |
| Management/Research--Marine | 86-005126 |
| 86-002009 | Hybridization |
| 86-003316 | 86-004127 |
| 86-003318 | Life History/General |
| 86-003331 | 86-000552 |
| Management/Research--Rivers and | 86-002688 |
| Streams | Maturation |
| 86-003293 | 86-003873 |
| 86-005586 | 86-003966 |
| 86-005592 | Nervous System |
| 86-005608 | 86-000164 |
| Movements | Oil |
| 86-004266 | 86-003148 |
| 86-004473 | Parasites/Diseases |
| Notes/Netting | 86-005103 |
| 86-001188 | 86-005126 |
| Orientation/Homing | Population Studies |
| 86-002673 | 86-002706 |
| Osmoregulation | 86-002878 |
| 86-000397 | Reproduction |
| Parasites/Diseases | 86-003873 |
| 86-000931 | Spawning |
| 86-001825 | 86-004680 |
| 86-005108 | Spawning Migration |
| Piscicola salmositica | 86-004412 |
| 86-001825 | 86-004431 |
| Population Studies | Temperature |
| 86-001610 | 86-003979 |
| 86-002008 | Transportation |
| 86-002883 | 86-005103 |
| 86-005608 | Oncorhynchus keta |
| Recirculating Systems | Abundance/Factors of |
| 86-002054 | 86-000789 |
| Restoration of Anadromous Runs | 86-004745 |
| 86-003293 | Bacterial Diseases |
| Riparian Habitat | 86-002967 |
| 86-005592 | Biochemical Composition |
| Sedimentation | 86-000402 |
| 86-005164 | 86-004038 |
| 86-005412 | Blood Chemistry |
| Taxonomy | 86-000339 |
| 86-000837 | Carotenoids |
| Temperature | 86-003940 |
| 86-004473 | Chloromyxum |
| | 86-005045 |

| | |
|-----------------------------|--------------------------|
| ...CONTINUED ... | ...CONTINUED ... |
| <i>Oncorhynchus keta</i> | <i>Oncorhynchus keta</i> |
| Culture/Propagation | Reproduction |
| 86-000061 | 86-001404 |
| 86-003397 | Spawning |
| 86-003398 | 86-002724 |
| Diets | 86-001411 |
| 86-000061 | Spawning Migration |
| Digestive System | 86-001490 |
| 86-004060 | 86-003115 |
| Egg Survival | 86-003418 |
| 86-000789 | Stomach |
| Endocrinology | 86-003795 |
| 86-000425 | Swimming Performance |
| 86-002308 | 86-000505 |
| 86-002557 | 86-000650 |
| Enzymes | Temperature |
| 86-001483 | 86-000789 |
| 86-001484 | 86-001351 |
| 86-002295 | Variation Studies |
| 86-004060 | 86-001351 |
| Feeding Experiments | 86-003115 |
| 86-000061 | Vibrations |
| Fish Stocks | 86-002967 |
| 86-004135 | Viral Diseases |
| 86-004745 | 86-003052 |
| Flow Regimes | <i>Oncorhynchus keta</i> |
| 86-000532 | Abundance/Factors of |
| Growth Hormone | 86-002967 |
| 86-000425 | 86-003766 |
| 86-002308 | 86-004775 |
| 86-002557 | 86-005190 |
| Hormones | Artificially Matures |
| 86-002294 | 86-001407 |
| Hybridization | Asbestos |
| 86-004090 | 86-001877 |
| Immunization | Blood Chemistry |
| 86-002967 | 86-000745 |
| Induced Maturation | 86-003350 |
| 86-002062 | 86-000777 |
| Life History/General | 86-003054 |
| 86-000532 | 86-001085 |
| 86-001585 | Genetic Variation |
| 86-004262 | 86-005042 |
| Lipid Composition | Glucose Regulation |
| 86-002534 | 86-003570 |
| Lipid Metabolism | 86-002654 |
| 86-001398 | 86-004200 |
| Movements | Growth Rate |
| 86-000638 | 86-005170 |
| 86-000650 | 86-005401 |
| 86-004135 | Genetic Fat Fishing |
| Musculature | 86-001085 |
| 86-002294 | Geographical |
| 86-002295 | 86-001556 |
| 86-004038 | 86-004164 |
| Myxosporeosis | 86-004178 |
| 86-005045 | Mapper |
| Nervous System | 86-001444 |
| 86-000164 | Contaminants |
| Nets/Netting | 86-000750 |
| 86-002722 | Contests |
| Nutrition | 86-004001 |
| 86-000061 | Culture/Propagation |
| Parasites/Diseases | 86-002050 |
| 86-002938 | 86-002052 |
| 86-002967 | 86-003407 |
| 86-005045 | Digestive System |
| 86-005052 | 86-002117 |
| Population Studies | Distribution/Factors of |
| 86-002722 | 86-005005 |
| Predator/Prey Relationships | Egg Survival |
| 86-004515 | 86-000001 |
| Production | 86-001755 |
| 86-002724 | Embryology |
| Protozoan Diseases | 86-000159 |
| 86-005045 | |

| | |
|---|-----------------------------|
| Endocrinology | Orientation/Homing |
| 86-000239 | 86-001570 |
| 86-000400 | Osmoregulation |
| 86-000435 | 86-001523 |
| 86-002373 | 86-001916 |
| 86-003996 | 86-004013 |
| 86-004004 | Parasites/Diseases |
| 86-004013 | 86-002979 |
| 86-004036 | 86-004941 |
| 86-004081 | 86-005032 |
| Fecundity | 86-005033 |
| 86-000801 | Parrr-Sralt Transformation |
| 86-001755 | 86-000239 |
| Fish Stocks | 86-000350 |
| 86-001394 | 86-000351 |
| Foods/Feeding | 86-000380 |
| 86-000657 | 86-001523 |
| 86-001662 | 86-002331 |
| 86-001682 | 86-002392 |
| Foods/Feeding/Selectivity | 86-004081 |
| 86-004504 | 86-004085 |
| 86-004515 | pH |
| 86-004541 | 86-001916 |
| Forestry Practices | Pheromones |
| 86-003189 | 86-001570 |
| 86-005378 | Polymorphism |
| 86-005390 | 86-001394 |
| 86-005401 | Population Studies |
| Glucose | 86-000594 |
| 86-002392 | 86-004376 |
| Habitat Selection | 86-004775 |
| 86-003189 | 86-005585 |
| 86-004203 | Predator/Prey Relationships |
| 86-004775 | 86-001691 |
| 86-005585 | 86-004504 |
| Heavy Metals | 86-004515 |
| 86-003144 | Production |
| Hormones | 86-004376 |
| 86-000359 | Proliferative Kidney Dis |
| 86-000400 | 86-002979 |
| 86-002551 | Protozoan Diseases |
| Indian Treaty Rights | 86-002979 |
| 86-001050 | 86-005032 |
| Kudoa thyrastitis | 86-005033 |
| 86-005033 | Reproduction |
| Life History/General | 86-002373 |
| 86-004270 | 86-002551 |
| Lipid Metabolism | Riparian Habitat |
| 86-000380 | 86-002886 |
| 86-002392 | Sex Determination |
| 86-004036 | 86-002050 |
| Liver | Sibling Recognition |
| 86-002473 | 86-004208 |
| Magnesium | Social Behavior |
| 86-000436 | 86-001569 |
| Management/Research--General | Spawning |
| 86-001050 | 86-004438 |
| Management/Research--Rivers and Streams | Spawning Migration |
| 86-003191 | 86-004438 |
| 86-004775 | Starvation |
| 86-005378 | 86-002331 |
| Mercury | Steroids |
| 86-003144 | 86-000351 |
| Mortality Factors | Stocking/Introductions |
| 86-004766 | 86-005474 |
| Movements | Stream Improvement/Gen |
| 86-002763 | 86-003191 |
| 86-002765 | Stress |
| Net-Pen Culture | 86-004054 |
| 86-002052 | Supplemental Stocking |
| Olfaction | 86-005474 |
| 86-003144 | Suspended Solids |
| 86-004209 | 86-000941 |
| | Swimming Performance |
| | 86-001576 |

CONTINUED...

Oncorhynchus kisutch
 Temperature
 86-004054
 86-004766
 86-005390
 Turbidity
 86-000941
 Unisexual Populations
 86-002050
 Upwelling
 86-004766
 Urban Development
 86-005411
 Zinc
 86-003144

Oncorhynchus masou
 Cestodes
 86-003000
 Culture/Propagation
 86-002155
 86-003408
 Diets
 86-002155
 Diphyllobothrium latum
 86-003000
 Feeding Experiments
 86-002155
 Fertilization
 86-003408
 Foods/Feeding
 86-002803
 86-004517
 Gyrodactylus masu
 86-005129
 Hybridization
 86-004127
 Maturation
 86-002760
 Osmoregulation
 86-002438
 Parasites/Diseases
 86-003000
 86-005129
 Parr-Smolt Transformation
 86-002438
 86-002448
 86-002803
 Trematodes
 86-005129

Oncorhynchus nerka
 Abundance/Factors of
 86-002694
 86-004365
 86-004754
 Age/Growth
 86-000720
 86-004635
 Bioenergetics
 86-004310
 86-004430
 Blood Chemistry
 86-000377
 Chemoreception
 86-004189
 Competition
 86-002799
 Corpuscle of Stannius
 86-004068
 Currents
 86-004754
 Egg Size
 86-000567
 Electrophoresis
 86-002627
 Endocrinology
 86-004068

CONTINUED

Oncorhynchus nerka
 Feeding
 86-004416
 Fish Stocks
 86-000567
 Foods/Feeding
 86-003406
 Fertilization
 86-003474
 Fry Traps
 86-003255
 Hatching
 86-005417
 Hemeropyga salmoneola
 86-000941
 Homocines
 86-002545
 Life History/General
 86-003347
 86-003404
 Liver
 86-003474
 Management/Research
 86-003347
 86-003404
 Management/Research
 86-003347
 86-003404
 Nutrition/Feeding
 86-003408
 Nutrition
 86-000455
 86-002409
 86-002545
 86-003404
 Parental Studies
 86-000126
 Fecundity Rates
 86-004110
 86-004405
 Osmoregulation/Feeding
 86-004109
 Parasites/Diseases
 86-000941
 86-005129
 Parr-Smolt Transformation
 86-002409
 Population Genetics
 86-000466
 Population Studies
 86-002409
 86-004110
 86-003404
 86-005417
 86-005720
 Predator/Prey Relations
 86-002799
 Protozoan Diseases
 86-000941
 Reproduction
 86-002545
 86-004416
 Sexes
 86-000720
 86-004635
 Sex Ratios
 86-004410
 Spawning
 86-003410
 Spawning Migration
 86-000607
 86-001650
 86-004419
 Stereology
 86-005408

...CONTINUED ..

Oncorhynchus nerka
Trophic Relationships
86-002694
Ultrasound Imaging
86-000883
Variation Studies
86-000126
86-002627
Visceral Adhesions
86-005127
Oncorhynchus rhodurus
Endocrinology
86-000338
86-002471
Gyrodactylus masu
86-005129
Parasites/Diseases
86-005129
Parr-Smolt Transformation
86-002471
Reproduction
86-000338
Trematodes
86-005129
Oncorhynchus tshawytscha
Age/Growth
86-000734
86-000747
86-002265
86-004629
86-004646
Aggressive Behavior
86-004220
Bacterial Diseases
86-002943
86-002949
Bacterial Kidney Disease
86-002943
Biochemical Composition
86-003896
Blood
86-002394
Blood Chemistry
86-002394
Cataracts
86-003036
Ceratomyxa shasta
86-000882
86-001811
Chinook Salmon Rosette Disease
86-005101
Chlorinated Hydrocarbons
86-003101
Competition
86-000497
Culture/Propagation
86-000018
86-002049
86-002050
86-002052
86-002518
86-003565
86-004086
Dams
86-003267
Distribution/Seasonal
86-002690
Endocrinology
86-002529
86-003840
Feeding Experiments
86-003565
Feeds
86-003565
Fish Passage
86-003267

...CONTINUED...

Oncorhynchus tshawytscha
Fish Stocks
86-000163
86-000458
86-000584
Flow Regimes
86-001655
86-004392
Foods/Feeding
86-000657
86-001662
86-002690
86-004535
Glomerulonephritis
86-000924
Habitat Selection
86-000497
86-002631
86-002690
86-004272
Handling Mortality
86-002518
Impingement/Entrapment
86-003268
Induced Maturation
86-004086
Lake Culture
86-002049
Life History/General
86-004226
86-004272
86-004293
Magnetic Fields
86-002671
Magnetite
86-000491
Management/Research--General
86-000458
86-001048
Management/Research--River
Streams
86-005603
Maturation
86-000608
86-004086
86-004646
Mortality Rates
86-004646
Movements
86-001655
86-002763
86-002765
86-004293
Nematodes
86-001837
Net-Pen Culture
86-002052
Nutrition
86-003565
Nutritional Diseases
86-003036
Orientation/Homing
86-000491
86-002671
Osmoregulation
86-001523
Otoliths
86-000163
86-000734
86-003895
86-003896
Parasites/Diseases
86-000882
86-000924
86-001811

Oncorhynchus tshawytscha

Parasites/Diseases

RG-001837

RG-002943

RG-002949

RG-002979

RG-003036

RG-005072

RG-005098

RG-005101

Parr-Smolt Transformation

RG-001523

RG-004006

Plasma Body

RG-004040

Population Studies

RG-004337

Production

RG-002949

Profliterative Kidney Disease

RG-002979

Protozoan Diseases

RG-001082

RG-001811

RG-002979

Ronibacteriosis

RG-002949

Rheotaxis

RG-004220

Rosette Agent

RG-005098

Sex Determination

RG-002050

Sodium Pentachlorophenolate

RG-002949

Spawning

RG-004392

Spawning Channels

RG-000018

Stress

RG-002100

RG-002464

RG-002510

RG-003267

Temperature

RG-000734

RG-003896

Test (Cortical) Behavior

RG-000497

Trophic Relationship

RG-000497

Intersex Population

RG-002050

Variation Studies

RG-000458

Viral Diseases

RG-005072

Otoliths

RG-002265

Ophiocephalus interpectus

Food/Feeding

RG-004486

Ophiocephalus striatus

Age/Growth

RG-004265

Fecundity

RG-004265

Spawning

RG-004265

Ophichthidae

Early Development

RG-004861

taxonomy

RG-004861

Ophidiformes

Early Development

RG-004829

Ophidiformes

taxonomy

RG-004829

Ophiocephalus punctatus

Enzymes

RG-002520

Ecology

RG-002520

Ophiocephalus striatus

Culture/Propagation

RG-000019

Enzymes

RG-002520

Ecology

RG-002520

Parasites/Diseases

RG-005098

Viral Diseases

RG-005098

Ophiocephalus striatus

Culture/Propagation

RG-004337

Hybridization

RG-004337

Ophiocephalus punctatus

Culture/Propagation

RG-004337

Hybridization

RG-004337

Osteomyelitis

Embryology

RG-001903

Immunology

RG-001903

Osteomyelitis

Acute/Chronic/Experimental/

RG-001903

Enzymes

RG-002520

Immunology System

RG-002520

RG-002520

RG-002520

Heavy Metals

RG-000996

Karyotype

RG-001523

Reproductive System

RG-001523

Production System

RG-002520

Ophiocephalus ventriosus

Life History/Behavior

RG-004337

Dromobranchia

Culture/Propagation

RG-000465

Digestive System

RG-001785

RNA

RG-001523

Hybridization

RG-000465

Karyotype

RG-001523

Dromobranchia aureus

Reproductive System

RG-004337

Culture/Propagation

RG-000038

RG-000042

RG-001478

Electrophoresis

RG-004097

Enzymes

RG-001523

| | |
|------------------------------|---------------------------|
| Oreochromis aureus | Oreochromis niloticus |
| Fertilization/Soil and Water | BicMagnification |
| 86-000042 | 86-003137 |
| 86-003478 | Culture/Propagation |
| Hermaphroditism | 86-000038 |
| 86-001412 | 86-000064 |
| Identification | 86-002104 |
| 86-002227 | 86-002160 |
| Insecticides | Ethanol |
| 86-003137 | 86-003162 |
| Lindane | Eugenol |
| 86-003137 | 86-003162 |
| Polymorphism | Feeding Experiments |
| 86-004097 | 86-000064 |
| Pond Culture | 86-002160 |
| 86-003478 | Feeds |
| Reproduction | 86-000064 |
| 86-001412 | Foods/Feeding/Selectivity |
| Scales | 86-002773 |
| 86-002227 | Fungal Diseases |
| Triploid Fish | 86-002970 |
| 86-004105 | Identification |
| Unisex Populations | 86-002227 |
| 86-000038 | Insecticides |
| Oreochromis mossambicus | 86-003137 |
| ATP | Lactate Dehydrogenase |
| 86-001433 | 86-002353 |
| 86-002341 | Lindane |
| Calcium | 86-003137 |
| 86-001431 | Metabolic Rates |
| 86-001432 | 86-003866 |
| Dolops ranarum | Nutrition |
| 86-001823 | 86-002160 |
| Endocrinology | Parasites/Diseases |
| 86-000196 | 86-002970 |
| 86-000257 | pH |
| 86-000344 | 86-002353 |
| 86-000393 | Phagocytosis |
| 86-001432 | 86-004049 |
| 86-004015 | Reproduction |
| Fish Processing Effluents | 86-000426 |
| 86-005229 | Salinity |
| Foods/Feeding | 86-000426 |
| 86-001315 | 86-000427 |
| 86-004502 | Scales |
| Gills | 86-002227 |
| 86-000151 | Stank Culture |
| Growth Hormone | 86-002104 |
| 86-000344 | Temperature |
| 86-004015 | 86-002353 |
| Habitat Selection | Unisex Populations |
| 86-004169 | 86-000038 |
| Hormones | Oreodairon quathlambae |
| 86-002341 | Coloration |
| Life History/General | 86-003793 |
| 86-004229 | Mortal Tubercles |
| Nutrition | 86-003793 |
| 86-001315 | Oreoleuciscus |
| Osmoregulation | Meristic Studies |
| 86-001433 | 86-000127 |
| 86-002341 | Taxonomy |
| Parasites/Diseases | 86-001786 |
| 86-001823 | Variation Studies |
| Parasitic Copepods | 86-000127 |
| 86-001823 | Orestias |
| Stress | Evolution |
| 86-000193 | 86-004719 |
| Temperature | Speciation |
| 86-000151 | 86-004719 |
| Oreochromis niloticus | Taxonomy |
| Anesthetics | 86-004719 |
| 86-003162 | Trophic Relationships |
| Ascorbic Acid | 86-004525 |
| 86-002160 | Zoogeography |
| Aspergillus flavus | 86-004719 |
| 86-002970 | |

Oryzias latipes
 Biomagnification
 86-001860
 Cadmium
 86-003131
 Carcinogens
 86-005265
 86-005268
 Cloning
 86-000461
 Coloration
 86-000341
 Electrophoresis
 86-002613
 Heavy Metals
 86-000988
 86-003131
 Hormones
 86-003991
 Hyxachlorobenzene
 86-001860
 Melanophores
 86-001371
 86-002263
 Mercury
 86-000988
 Mutagens
 86-004108
 Parasites/Diseases
 86-005265
 86-005268
 Permethrin
 86-000988
 Pigments
 86-000341
 86-002263
 Radiation
 86-000382
 Reproductive System
 86-002255
 Steroids
 86-003991
 Temperature
 86-000382
 Tumors
 86-005265
 86-005268
 Variation Studies
 86-002613
Oryzias luzonensis
 Karyotypes
 86-000442
 Speciation
 86-000442
Oryzias mekongensis
 Karyotypes
 86-002914
 New Species
 86-002914
Oryzias minutillus
 Karyotypes
 86-000457
Osmeridae
 Early Development
 86-004834
 Taxonomy
 86-004834
Osmerus eperlanus
Acanthocephala
 86-000933
 Foods/Feeding
 86-000701
 Nematodes
 86-000933
 Parasites/Diseases
 86-000933

.CONTINUED...
Osmerus eperlanus
 Population Studies
 86-000578
 Predator/Prey Relationships
 86-000679
 Trophic Relationships
 86-000679
Osmerus mordax
 Competition
 86-004498
 Distribution/Factors of
 86-000647
 Distribution/Vertical
 86-000634
 Feeds/Feeding
 86-000654
 86-004498
 Harvest
 86-001957
 Predator/Prey Relationships
 86-004554
 Spawning
 86-002758
 Tides
 86-000647
Osphronemus goramy
 Foods/Feeding
 86-004486
Ostariophysi
 Early Development
 86-004827
 Taxonomy
 86-004827
Osteochilus hasselti
 Foods/Feeding
 86-004486
Osteochilus melanopleura
 Foods/Feeding
 86-004486
Osteoglossum bicirrhosum
Hypothalamic-Hypophyseal
 86-000269
Ostraciidae
 Aquariums
 86-001330
 Culture/Propagation
 86-001330
Otolithes argenteus
 Culture/Propagation
 86-002689
Otolithes argenteus
 Age/Growth
 86-002689
 86-002835
 Management/Research--Mar
 86-002728
 Maturation
 86-002689
 Population Studies
 86-002728
 Spawning
 86-002689
Oxylebius pictus
 Coloration
 86-000478
 Social Behavior
 86-000478
 Spawning
 86-000478
Pachymetopon aeneum
 Age/Growth
 86-002680
 Foods/Feeding
 86-002680
 Life History/General
 86-002680

Pachyrrhynchus xenodermus

Spawning
86-002680

Padogobius martensi

Sound Production
86-001577

Pagellus acarne

Bacterial Diseases

86-004965

Culture/Propagation

86-003500

Fry Production

86-003500

Parasites/Diseases

86-004965

Reproduction

86-002501

Steroids

86-002501

Vibrio

86-004965

Pagellus erythrinus

Foods/Feeding

86-002776

Pagothernia borchgrevinkii

Antifreeze Production

86-002314

Biomagnification

86-005172

Heavy Metals

86-005172

Melanophores

86-002267

Metabolism

86-003956

Nervous System

86-002267

Temperature

86-000500

86-003956

Vision

86-000500

Pagrus major

Amino Acids

86-000493

Culture/Propagation

86-000081

86-000082

Diets

86-000082

Egg Quality

86-000081

Eggs

86-000170

Epitheliocystis

86-002981

Feeding Experiments

86-000081

86-000082

Gall Bladder

86-001498

Nutrition

86-000081

Olfaction

86-000493

Parasites/Diseases

86-002981

Protozoan Diseases

86-002981

Rigor Mortis

86-002413

Pampus argenteus

Mortality Rates

86-004359

Population Studies

86-004359

Pangasius

Culture/Propagation

86-003474

Hybridization

86-003474

Pangasius sutchi

Air Breathing

86-000212

Respiration

86-000212

Parablennius marmoratus

Mouth Parts

86-001377

Parablennius pilicornis

Distribution/Geographical

86-002585

Karyotypes

86-002585

Parablennius serratolineatus

New Species

86-004792

Parablennius tasmanianus

New Subspecies

86-004792

Paracheirodon innesi

Aquariums

86-000103

Culture/Propagation

86-000103

Paralabrax humeralis

Hatschekia affluens

86-001847

Hatschekia amphiprocessa

86-001847

Parasites/Diseases

86-001847

Parasitic Copepods

86-001847

Paralichthys californicus

Life History/General

86-004268

Paralichthys oblongus

Age/Growth

86-002838

Length-Weight Relationships

86-002838

Paralichthys olivaceus

Age/Growth

86-004650

Albinism

86-000171

Atrial Thrombus

86-005102

Cryptocaryon irritans

86-001813

Early Development

86-002236

Endocrinology

86-000279

Gill Parasites

86-005034

Hormones

86-000279

Metamorphosis

86-000279

86-004650

Parasites/Diseases

86-001813

86-005102

Protozoan Diseases

86-001813

86-005034

Temperature

86-004650

White Spot Disease

86-001813

CONTINUED...

Paralichthys olivaceus
White Spot Disease
86-005034

Paralichthys calidus
Distribution/Geographical
86-000750
Spawning
86-000750

Paralichthys caquet
Distribution/Geographical
86-000750
Spawning
86-000750

Paramecium atami
Enzymes
86-002576

Paramecium lutheri
Borella acuminata
86-004034
Parasites/Diseases
86-004034
Parasitic Isopods
86-003034

Parapristigaster trilineatus
Salinity
86-000290
Temperature
86-000290

Parapharyngodon
Cestodes
86-001831
Electroreception
86-003026
Ganges lampbrush
86-001831
Parasites/Diseases
86-001831

Paratyphlochromis
Taxonomy
86-003896

Parula scaber
Otoliths
86-001709

Parus victor
Food/Feeding/Selectivity
86-002762
Territorial Behavior
86-002762

Parus mexicanus
New Species
86-000821

Parophrys vetulus
Aromatic Hydrocarbons
86-000955
86-005242
Blood Chemistry
86-000909
Carbon
86-001917
Carbon Tetrachloride
86-005239
Distribution/Seasonal
86-002727
Gyrodactylus stellatus
86-003023
Heavy Metals
86-001917
Hepatic Lesions
86-000955
Liver Lesions
86-000909
OII
86-001917
Parasites/Diseases
86-000909

CONTINUED...

Parophrys vetulus
Parasites/Diseases
86-000955
86-003023
Polychlorinated Biphenyls
86-001917
Population Studies
86-002727
Viviparous
86-003023

Paraphymonema filamentosa
Aquariums
86-001331
Culture/Propagation
86-001331

Paraperca haubertius
Food/Feeding
86-003709

Paralichthys olivaceus
Parasites/Diseases
86-005034

Parus ca. latens
Cestodes
86-004012
Juncus glandulophyllus
86-004012
Phagylacus brachy
86-004012
Parasites/Diseases
86-004012

Parus hirs. scottii
New Species
86-004015

Perilychnis st. patches
Aquariums
86-002120
Culture/Propagation
86-002120

Perca flavescens
Abundance/Factors of
86-001761
Activity Patterns
86-001764
Age/sex ratio
86-005251
Artificial Reels
86-001060
Heterocyclic Compounds
86-001918
Carpal Bone
86-002797
86-005133
Culture/Propagation
86-001337
86-002146
86-004016
WAS
86-002146
Hoxin
86-004115
Distribution/Factors of
86-004474
Distribution/Seasonal
86-004474
Egg Predation
86-002266
Eggs
86-002766
Endocrinology
86-001331
Feeding Experiments
86-002146
Food/Feeding
86-000668
86-004259

...CONTINUED...

Perca flavescens
 Foods/Feeding
 86-004494
 86-004604
 Growth Hormone
 86-000318
 Hormones
 86-000318
 Light
 86-002754
 Management/Research--Lakes
 86-001080
 86-001761
 Marking/Tagging/General
 86-001164
 Mortality Rates
 86-004259
 Oxygen
 86-004474
 Piscicides
 86-003168
 Population Studies
 86-000566
 86-001761
 86-004382
 Predator/Prey Relationships
 86-004514
 Pulp Mill Effluents
 86-001914
 Rotenone
 86-003168
 Sex Determination
 86-001337
 Spawning
 86-002754
 Steroids
 86-001469
 Telemetry
 86-001164
 Temperature
 86-002754
 Trophic Relationships
 86-004382
Perca fluviatilis
 Abundance/Factors of
 86-000581
 86-002888
 86-004749
 Activity Patterns
 86-001164
 86-004581
 Age/Growth
 86-000581
 86-001704
 86-002821
 86-004630
 86-005221
 Ammonia
 86-003152
 Biomass
 86-000589
 Cardio-Vascular System
 86-002421
 Cestodes
 86-005105
 Competition
 86-002888
 Copper
 86-001885
 86-001886
 Cyanide
 86-003152
 Enzymes
 86-002421
 Eulan WA New
 86-003124

...CONTINUED...

Perca fluviatilis
 Foods/Feeding
 86-004580
 86-004581
 86-005221
 Foods/Feeding/Selectivity
 86-002789
 86-004516
 Heavy Metals
 86-001885
 86-001886
 Marking/Tagging/General
 86-001164
 Meristic Studies
 86-003880
 Mortality Rates
 86-005221
 Movements
 86-000628
 86-004442
 Nitrite
 86-003152
 Parasites/Diseases
 86-005056
 86-005105
 pH
 86-001033
 Phenols
 86-003152
 Population Studies
 86-000589
 86-004331
 86-004381
 Production
 86-000589
 Telemetry
 86-001164
 Temperature
 86-000628
 86-002821
 86-005221
 Thermal Pollution
 86-002821
 86-005221
Triacanthoporus nodulosus
 86-005105
 Viral Diseases
 86-005056
 Year Class Strength
 86-000581
Percidae
 Life History/General
 86-001591
Percina
 Skeletal System
 86-003767
Percina evides
 Distribution/Factors of
 86-002643
 Distribution/Geographical
 86-002643
 Habitat Selection
 86-002643
Percina maculata
 Taxonomy
 86-004794
Percina nasuta
 Distribution/Geographical
 86-002872
Percina palmaris
 Life History/General
 86-002703
Percoidae
 Early Development
 86-004850

Taxonomy
 86-004850
Percompsis omiscomaycus
 Age/Growth
 86-000736
Pericidae
 Spawning
 86-001646
Periopthalmus koelreuteri
 Head Kidney
 86-001386
Petenia kraussii
 Foods/Feeding/Selectivity
 86-004527
Petrocephalus bovei
 Foods/Feeding
 86-002781
Petromyzon marinus
 Age/Growth
 86-004658
 Biochemical Composition
 86-002458
 86-002508
 Blood Chemistry
 86-000229
 Catecholamines
 86-000229
 Chemoreception
 86-002650
 Chromaffin Tissue
 86-000229
 Collagen
 86-004035
 Electrophoresis
 86-001531
 Electrorception
 86-002503
 Embryology
 86-001440
 Endocrinology
 86-001428
 86-004076
 Fish Control/Removal
 86-003224
 Foods/Feeding
 86-004497
 Growth Hormone
 86-004076
 Heavy Metals
 86-005286
 Immune Response
 86-002483
 86-004075
 Iron
 86-002508
 Lamprey Control
 86-001965
 86-003224
 Lamprey Parasitism
 86-000919
 Liver
 86-002288
 Locomotion
 86-000263
 Mercury
 86-005286
 Nervous System
 86-000263
 86-000408
 86-002330
 Piscicides
 86-001965
 86-003224
 Predator/Prey Relationships
 86-000919

86-004497
 Regeneration
 86-002330
 Sexation
 86-000263
 118
 86-001965
 86-003224
 Swarming
 86-001440
 Variation Studies
 86-001534
Petromyzontidae
 Cardio-Vascular System
 86-002271
 Evolution
 86-003814
 86-004793
 Foods/Feeding
 86-004495
 86-004496
 Nervous System
 86-003633
Petrus rupestris
 Foods/Feeding
 86-004595
Phaeoptyx
 Karyotypes
 86-002611
 Taxonomy
 86-002611
Phenacostethus trewavase
 New Species
 86-002905
Phoxinus phoxinus
 Cloning
 86-000449
 Early Development
 86-000138
 86-001361
 Hybridization
 86-000449
Phoxinus phoxinus
 Cloning
 86-000449
 Hybridization
 86-000449
Phoxinus phoxinus
 Alarm Substances
 86-001491
 Cisterns
 86-005105
 Enzymes
 86-005282
 Length-Weight Relations
 86-002841
 Meristic Studies
 86-002901
 Parasites/Diseases
 86-005105
 Pineal Body
 86-003981
 Predator/Prey Relation
 86-002661
 86-004490
 Steroids
 86-001491
 Taxonomy
 86-002901
 Toxicology
 86-005282
Priapophorus multicolor
 86-005105

Physiculus cynodon
 New Species
 86-002911
 Physiculus narisrubri
 New Species
 86-004800
 Physiculus maximowiczii
 Distribution/Geographical
 86-000153
 Early Development
 86-000153
 Eggs
 86-000153
 Physiculus normani
 New Species
 86-004800
 Pimelodina
 Taxonomy
 86-004902
 Pimelodus maculatus
 Gap Junction
 86-000141
 Pimelomotopon maculatus
 Hatschekia affluens
 86-001847
 Hatschekia amphiprocessa
 86-001847
 Parasites/Diseases
 86-001847
 Parasitic Copepods
 86-001847
 Pinephales promelas
 Acrylamide
 86-003117
 Alarm Reaction
 86-001573
 Alpha-Terthienyl
 86-001932
 Ammonia
 86-003128
 86-003159
 Aromatic Hydrocarbons
 86-005297
 Arsenic
 86-005315
 Bayer 73
 86-001043
 Cadmium
 86-005262
 86-005315
 Carcinogens
 86-005265
 Chromium
 86-005315
 Copper
 86-005315
 Culture/Propagation
 86-001336
 DBNPA
 86-001009
 Dioxin
 86-001911
 DMI
 86-005303
 Escape Behavior
 86-004612
 Flocculants
 86-003091
 Fluridone
 86-001902
 Heavy Metals
 86-005262
 86-005315
 Lead
 86-005315

...CONTINUED...

Pinephales promelas
 Mercury
 86-005315
 Methanol
 86-005303
 Oil Shale Effluents
 86-001037
 Parasites/Diseases
 86-005265
 Pentachlorophenol
 86-003107
 Pesticides
 86-001043
 Phosphate Esters
 86-001884
 Piscicides
 86-001336
 86-001932
 Predator/Prey Relationship
 86-004612
 Selenium
 86-001455
 86-001456
 86-005233
 Sodium Pentachlorophenolate
 86-005262
 Solvents
 86-005303
 Synthetic Polyelectrolytes
 86-003091
 TFM
 86-001043
 86-001336
 Trace Metals
 86-005233
 Tumors
 86-005265
 Platichthys flesus
 Blood Chemistry
 86-002379
 86-002524
 Cage Culture
 86-003394
 Coelenterate Predation
 86-000809
 Culture/Propagation
 86-003394
 Enzymes
 86-002506
 Foods/Feeding/Selectivity
 86-000680
 Hexachlorobenzene
 86-001907
 Kudoa
 86-005042
 Musculature
 86-001451
 Osmoregulation
 86-000232
 Polyculture
 86-003394
 Predator/Prey Relationship
 86-000809
 Protozoan Diseases
 86-005042
 Surfactants
 86-005213
 Temperature
 86-001451
 Xenobiotics
 86-001027
 Platichthys flesus luscus
 Harvest
 86-004250
 Life History/General
 86-004250

Platichthys stellatus
 Arctic/Antarctic
 86-003116
Platyrrhinoidis triseriata
 Electrorception
 86-002513
 Nervous System
 86-002513
Plecoglossus altivelis
Aeromonas hydrophila
 86-004985
 Bacterial Diseases
 86-000862
 86-001805
 86-001806
 86-004945
 86-004946
 86-004975
 86-004985
 86-004989
 86-004994
 Chloride Cells
 86-000152
 Culture/Propagation
 86-002617
 86-002618
 86-003554
 Diets
 86-003554
 Early Development
 86-002235
 Eggs
 86-001166
 Embryology
 86-000152
 Endocrinology
 86-003909
 Feeding Experiments
 86-003554
 Feeds
 86-003554
 Fungal Diseases
 86-002969
 86-005020
Ichthyophonus Disease
 86-005020
Ichthyophonus hoferi
 86-001806
 86-005020
 Immunization
 86-004945
 86-004975
 Marking/Tagging
 86-001166
 Nets/Netting
 86-003253
 Osmoregulation
 86-003909
 Parasites/Diseases
 86-000862
 86-001805
 86-001806
 86-002969
 86-004945
 86-004946
 86-004975
 86-004985
 86-004989
 86-004994
 86-005020
 Phagocytes
 86-002969
 Polyploidy
 86-002617
 86-002618

Plecoglossus altivelis
Pseudomonas anguilliseptica
 86-004989
 Salinity
 86-000152
Streptococcus
 86-004994
 Tetracycline
 86-001166
 Triploid Fish
 86-002617
 86-002618
 Variation Studies
 86-000462
Vibrio anguillarum
 86-000862
 86-004946
 86-004975
 Vibriosis
 86-004945
Plesiopterus cephalotaenia
 Distribution/Geographical
 86-004892
Plesiopterus nakaharae
 Taxonomy
 86-004892
Pleuragramma antarcticum
 Body Form
 86-004175
 Buoyancy Adjustment
 86-004175
 Foods/Feeding
 86-004615
 Life History/General
 86-004260
 Trophic Relationships
 86-004615
Pleurogrammus monopterygius
 Auditory Senses
 86-000506
Pleuronectes
 Injuries
 86-005112
Pleuronectes platessa
 Abundance/Factors of
 86-000812
 Acoustico-Lateralis System
 86-003762
 Acute Inflammatory Response
 86-000934
 Age/Growth
 86-002826
 Biochemical Composition
 86-002334
 Blood Chemistry
 86-004072
 Cadmium
 86-001899
 Calcium
 86-002334
 Coelenterate Predation
 86-000809
 Distribution/Vertical
 86-002707
 Early Development
 86-003762
 Eggs
 86-003697
 Foods/Feeding
 86-001659
 86-004618
 Heavy Metals
 86-001899
Ichthyobodo necator
 86-000884

..CONTINUED.

- Pleuronectes platessa*
 Immune Response
 86-002306
 Iron
 86-002334
 Leucocyte Migration
 86-001467
 Lipid Composition
 86-002564
 Maturation
 86-002826
 Mercuric Chloride
 86-005257
 Mortality Factors
 86-000812
 Mortality Rates
 86-002707
 86-002739
 Movements
 86-002707
 86-002739
 Osmoregulation
 86-004034
 Parasites/Diseases
 86-000884
 86-000934
 Population Studies
 86-000812
 86-001604
 86-002707
 86-002739
 Predator/Prey Relationships
 86-000809
 Production
 86-001604
 Protozoan Diseases
 86-000884
 Recruitment
 86-000812
 Starvation
 86-004072
 Stress
 86-004072
 Sunburn
 86-000884
Pleuronectes stellatus
 Auditory Senses
 86-000506
Pleuronectes
 Abundant e/factors of
 86-004767
 Eutrophication
 86-004767
 Lymphocystis
 86-005067
 Nets/Netting
 86-005421
 Parasites/Diseases
 86-005067
 Salinity
 86-004767
 Temperature
 86-004767
 Trawls
 86-005521
 Tumors
 86-005067
 Viral Diseases
 86-005067
Pleuronelliformes
 Abnormalities
 86-003708
 Early Development
 86-003679
 Taxonomy
 86-004836
Pleuronichthys cornutus
 Age/Growth
 86-001700
 Life History/General
 86-000547
Pneumatophorus japonicus
 Schooling Behavior
 86-001558
Podotrichus gilberti
 Foods/Feeding
 86-000694
Poecilia
 Hybridization
 86-001652
 Spawning
 86-001652
 Unisex Populations
 86-001652
Poecilia formosa
 Cloning
 86-004439
 Spawning
 86-004439
 Unisex Populations
 86-004439
Poecilia gracilis
 Light
 86-000216
Poecilia latipinna
 Endocrinology
 86-002390
 86-002391
 86-002426
 Foods/Feeding
 86-001664
 Immune Response
 86-003834
 Pituitary
 86-002220
 86-003834
 Reproduction
 86-000413
 86-002390
 86-002391
 86-002426
 86-002522
 Spawning
 86-002750
 86-004396
 Steroids
 86-002390
 86-002426
 Temperature
 86-002522
 Trophic Relationships
 86-001664
Poecilia mexicana
 Baitfish Culture
 86-002097
 Cannibalism
 86-002071
 Culture/Propagation
 86-002071
 86-002097
 Pond Culture
 86-002097
Poecilia reticulata
 Aluminum
 86-005215
 Anisoles
 86-003147
 Bacterial Diseases
 86-001413
 Bacterial Flora
 86-001413

...CONTINUED...

Poecilia reticulata
 Carboxylic Acid
 86-003147
 Carcinogens
 86-003136
 86-005265
 Cell Culture
 86-002451
Clinostomus complanatus
 86-005125
 Coal Leachates
 86-005215
 Coloration
 86-000619
 Culture/Propagation
 86-001293
 Dithyrosine
 86-003136
Dithiocarbamates
 86-001031
 Endocrinology
 86-000301
 86-000302
 Escape Behavior
 86-004186
 86-004187
 Foods/Feeding/Selectivity
 86-004598
Gyrinocheilus bullatarum
 86-000923
 86-000928
 86-005139
 Habitat Selection
 86-002656
 Heavy Metals
 86-003149
 86-005215
 Hormones
 86-000301
 Parasites/Diseases
 86-000923
 86-000928
 86-001413
 86-003136
 86-005125
 86-005139
 86-005265
 Post-Larvae
 86-001031
 Phenols
 86-003147
 Phormones
 86-000490
 86-001560
 Pigments
 86-002339
 Predator/Prey Relationships
 86-004186
 Reproduction
 86-000301
 Sexual Dimorphism
 86-000597
 Spawning
 86-000597
 86-000619
 86-001641
 Temperature
 86-001560
 Temperature Selection
 86-000490
 Trematodes
 86-000923
 86-000928
 86-005125
 86-005139

...CONTINUED...

Poecilia reticulata
 Tumors
 86-003136
 86-005265
 /lar
 86-003149
Poecilia sphenops
 Light
 86-000216
 Reproduction
 86-000216
Poecilia vittata
 Bacterial Culture
 86-002097
 Gametocytes
 86-002071
 Culture/Propagation
 86-002071
 86-002097
 Pond Culture
 86-002097
Poecilia latipinna
 Bacterial Culture
 86-002107
 Culture/Propagation
 86-002107
 Scales
 86-001869
Poeciliopsis
 Carcinogens
 86-005314
 OHR
 86-005314
 OSHA
 86-005314
 Parasites/Diseases
 86-005314
 Tumors
 86-005314
Poeciliopsis gracilis
 Reproduction
 86-000216
Poeciliopsis lucida
 Hybridization
 86-001638
 Spawning Behavior
 86-001638
 Unisexual Populations
 86-001638
 86-001638
Poeciliopsis monacha
 Hybridization
 86-001638
 Spawning Behavior
 86-001638
 Unisexual Populations
 86-001638
 86-001638
 Variation Studies
 86-004152
Poeciliopsis monacha-nocif
 Unisexual Populations
 86-004089
 Variation Studies
 86-004089
Poeciliopsis occidentalis
 Abundance/Factors of
 86-004762
 Foods
 86-004762
 Management/Research/Gen
 86-005477
 Population Studies
 86-004762
 Predator/Prey Relationships
 86-004762

CONTINUED...

Poeciliopsis occidentalis

Status

86-004354

Stocking/Introductions

86-005477

Poecilia reticulata

Offspring Size

86-004143

Pogonias cromis

Cage Culture

86-002027

86-002110

86-002121

86-002122

Culture/Propagation

86-002027

86-002080

86-002110

86-002115

86-002121

86-002122

86-002127

Distribution/Geographical

86-004685

Heated Water

86-002027

86-002110

Hybridization

86-002080

Life History/General

86-004290

Polyculture

86-002115

86-002127

Pond Culture

86-002080

86-002127

Power Plant Effluents

86-002027

86-002110

Pogonophryne

Taxonomy

86-004814

Pollachius pollachius

Acoustical Methods

86-003361

Swimbladder

86-003361

Pollachius virens

Acoustical Methods

86-003361

Helminths

86-001851

Otoliths

86-003799

Parasites/Diseases

86-000856

86-000908

86-001851

Swimbladder

86-003361

Tumors

86-000908

Pollimyrus adspersus

Foods/Feeding

86-002781

Pollimyrus isidori

Communication

86-004171

Sound Production

86-004171

Polyipnus matsubarai

Foods/Feeding

86-004544

Meristic Studies

86-004544

Polymixia berndti

Life History/General

86-004267

Polynaeoides

Early Development

86-004812

Taxonomy

86-004812

Polyodon spathula

Bibliographies

86-005736

Channelization

86-005413

86-005417

Commercial Fishing

86-005602

Culture/Propagation

86-003433

86-003466

86-005342

Distribution/Geographical

86-004684

Dredging

86-005417

Fingerling Stocking

86-005472

Habitat Alterations

86-005413

Impoundment

86-005413

86-005417

Life History/General

86-004282

86-005342

Management/Research--Rive

Streams

86-005445

86-005472

86-005589

86-005602

Management/Research/Gener

86-005342

Nuptial Tubercles

86-003732

Regulations

86-005445

Spawning

86-004437

Stocking/Introductions

86-005472

Polyprion oxygenios

Fecundity

86-004414

Reproduction

86-004414

Spawning

86-004414

Polypterus ornatipinnis

Aquariums

86-001324

Culture/Propagation

86-001324

Polypterus palmas

Nervous System

86-002284

Olfaction

86-002284

Polysteganus praeorbitalis

Foods/Feeding

86-004595

Pomacanthidae

Aquariums

86-000089

Culture/Propagation

86-000089

Pomacentridae
 El Niño
 86-002741
 Population Studies
 86-002741
 Reef Fish Communities
 86-002741
 Symbiosis
 86-001554
Pomacentrus nigromarginatus
 New Species
 86-004784
Pomacentrus partitus
 Parasites/Diseases
 86-001849
 Tumors
 86-001849
Pomacentrus popei
 Abundance/Factors of
 86-000508
 Aggressive Behavior
 86-000508
Pomadasyx comersonii
 Metabolic Rates
 86-002354
 Respiration
 86-002354
Pomadasyx hasta
 Parasites/Diseases
 86-004109
 Trematodes
 86-005109
Pomatomus saltatrix
 Foods/Feeding
 86-002800
Pomatomus saltatrix
 Harvest
 86-001960
 Marking/Tagging
 86-005461
 Movements
 86-001960
Pomatoschistus
 Spawning
 86-002757
Pomatoschistus microps
 Foods/Feeding
 86-001677
 Foods/Feeding/Selectivity
 86-000680
 Habitat Selection
 86-002804
 Karyotypus
 86-002624
 Predator/Prey Relationships
 86-002804
Pomatoschistus minutus
 Foods/Feeding/Selectivity
 86-000680
 Habitat Selection
 86-002804
 Predator/Prey Relationships
 86-002804
Pomoxis annularis
 Age/Growth
 86-002812
 Culture/Propagation
 86-002584
 Fish Control/Removal
 86-003308
 Foods/Feeding
 86-004485
 86-004572
 Hybridization
 86-002584

Pomoxis annularis
 Management/Research--Pon
 86-003308
 Fertility
 86-004485
Pomoxis nigromaculatus
 Culture/Propagation
 86-002584
 Foods/Feeding
 86-000658
 86-004485
 86-004548
 Hybridization
 86-002584
 Fertility
 86-004485
Pomoxis tunicata
 Distribution/Geographical
 86-001713
Porthichys notatus
 Caudal Hemibranchial Sy
 86-003992
 Communication
 86-002646
 Sound Production
 86-002646
 Spawning
 86-002646
Poroderma affricanum
 Endocrinology
 86-002493
 Hormones
 86-002493
 Reproduction
 86-002493
Potamoxyphidius
 Taxonomy
 86-000814
Premnas
 Symbiosis
 86-001554
Pristigaster
 Life History/General
 86-000541
 Fertility Rates
 86-000541
 Parasites/Diseases
 86-000541
 Pleistophora polycanthus
 86-000541
 Protozoan Diseases
 86-000541
 Yield
 86-000541
Pristigaster macracanthus
 Life History/General
 86-000541
Pristigaster glauca
 Distribution/Factors of
 86-000646
 Distribution/Geographical
 86-002691
 Distribution/Vertical
 86-000646
 Enzymes
 86-002691
 Length/Height Relationship
 86-002691
 Life History/General
 86-002691
Pristigaster carolinus
 Identification/Types
 86-002691
Pristigaster evolans
 Identification/Types
 86-002691

CONTINUED...

- Prionotus evolans*
 Life History/General
 86-002695
 Management/Research--Marine
 86-002695
- Prionurus punctatus*
Balantidium prionurium
 86-000886
 Parasites/Diseases
 86-000886
 Protozoan Diseases
 86-000886
- Pristidae*
 Aquariums
 86-002173
 Culture/Propagation
 86-002173
- Pristipomoides filamentosus*
 Electrophoresis
 86-000463
 Fecundity
 86-004409
 Maturation
 86-004409
 Spawning
 86-004409
 Variation Studies
 86-000463
- Pristigobryon striolatus*
 Foods/Feeding
 86-001675
 Mouth Parts
 86-001675
- Pristolepis fasciatus*
 Foods/Feeding
 86-004486
- Prochilodus scrofa*
 Maturation
 86-002752
- Prosopeus cylindraceus*
 Age/Growth
 86-000747
 Competition
 86-000497
 Habitat Selection
 86-000497
 Territorial Behavior
 86-000497
 Trophic Relationships
 86-000497
- Prosopium gemmiferum*
 Foods/Feeding
 86-004549
- Proterorhinus marmoratus*
 Karyotypes
 86-004142
- Protopterus aethiopicus*
 Hypoxia
 86-003872
 Metabolic Rates
 86-003872
- Prototroctes marena*
 Distribution/Geographical
 86-004667
- Pseudocaranx dentex*
 Foods/Feeding
 86-004592
- Pseudochaenichthys georgianus*
 Foods/Feeding
 86-004537
- Pseudocrenilabrus multicolor*
 Brooding Behavior
 86-004422
- Pseudojuloides elongatus*
 New Species
 86-004790
- Pseudolabrus gymnenis*
 Sex Reversal
 86-003972
- Pseudomancopsetta*
 New Genus
 86-000818
- Pseudomancopsetta andriashovi*
 New Species
 86-000818
- Pseudomugil*
 Fish Lists/Keys
 86-004845
- Pseudomugil gertrudae*
 Aquariums
 86-000105
 Culture/Propagation
 86-000105
- Pseudomugil helodes*
 New Species
 86-004845
 86-004846
- Pseudomugil majusculus*
 New Species
 86-004845
 86-004846
- Pseudomugil signifer*
 Foods/Feeding
 86-000656
 Predator/Prey Relationships
 86-000656
- Pseudophycis bacchus*
 Otoconia
 86-003709
- Pseudophycis bachus*
 Bacterial Diseases
 86-000874
 Parasites/Diseases
 86-000874
 Ulcer Disease
 86-000874
- Pseudopleuronectes americanus*
 Age/Growth
 86-000746
 Blood Chemistry
 86-003903
 Cadmium
 86-001021
 Culture/Propagation
 86-000076
 Digestive System
 86-002323
 86-002396
 86-002467
 86-002499
 Excretory System
 86-002552
 Feeding Experiments
 86-000076
 Feeds
 86-000076
 Foods/Feeding
 86-004557
 Glugea stephani
 86-002975
 Heavy Metals
 86-001021
 86-001869
 86-003093
 Invertebrate Forage
 86-000076
 Mercury
 86-003093
 Nutrition
 86-000076
 Osmoregulation
 86-002499

...CONTINUED...

Pseudophrynosoma americanum

Osmoregulation

RG-001829

Parasites/Diseases

RG-000927

RG-002975

RG-005148

pH Regulation

RG-002523

Protozoan Diseases

RG-002975

Turnover

RG-002429

Trematodes

RG-000927

Tumors

RG-005148

Urea

RG-001021

RG-001869

Pseudophrynosoma platessa

Parasites/Diseases

RG-001858

Trematodes

RG-001858

Pterolebias wyeichmanni

Aquariums

RG-001328

Culture/Propagation

RG-001328

Pterolebias zomatus

Aquariums

RG-000106

Culture/Propagation

RG-000106

Ptychocheilichthys grandis

Habitat Selection

RG-004196

Temperature

RG-004196

Ptychocheilichthys lunatus

Culture/Propagation

RG-002079

Induced Reproduction

RG-002079

Off-Stage Effluents

RG-001047

Reproduction/Rearing

RG-004415

Spawning

RG-004402

RG-004436

Spawning Migration

RG-004415

Ptychocheilichthys unipunctatus

Food/Fooding

RG-004534

Pungitius pungitius

Aggressive Behavior

RG-002641

Competition

RG-002641

Food/Fooding

RG-002641

Oriented Orientation/Rearing

RG-004161

Salinity

RG-004161

Puntazzo puntazzo

Culture/Propagation

RG-000053

RG-003500

RG-003527

Embryology

RG-000053

...CONTINUED...

Puntazzo puntazzo

Leaders

RG-001527

Food/Fooding/Selectivity

RG-004530

Fry Production

RG-004500

Induced Reproduction

RG-000053

Immunological Relationships

RG-004530

Puntopeltichthys punctozona

Food/Fooding

RG-004306

Puntius biwaensis

Parasites/Diseases

RG-001796

Puntius conchostatus

Endemic

RG-001900

Heavy Metals

RG-001900

Pygocentrus nattereri

Food/Fooding

RG-001675

South Pacific

RG-001675

Pygocentrus altamazonicus

Spawning

RG-003699

Pygocentrus nattereri

Dietary Habits/Seasonal

RG-000836

Marking/Tagging

RG-000836

Physiology

RG-000836

Behavior

RG-000836

Pygocentrus nattereri

Fish Hatchery

RG-003764

Reproduction/Rearing

RG-003764

Rafia

Parasites/Diseases

RG-004050

Reproduction/Rearing

RG-004050

Trematodes

RG-004050

Rafia bhimaria

Caudal Hemibranchial

RG-003997

Rafia bhimaria

Apparatus

RG-004676

Rafia bhimaria

Embryology

RG-001353

Rafia bhimaria

Micrographical

RG-003089

Blood Chemistry

RG-002157

Cardiovascular System

RG-002157

Caudal Hemibranchial

RG-002414

Digestive System

RG-002425

Eggs

RG-002748

Enzymes

RG-002439

CONTINUED...
 a erinacea
 cretory System
 86-003846
 avy Metals
 86-003089
 duced Maturation
 86-002440
 ercury
 86-003089
 ervous System
 86-000343
 86-002336
 86-002480
 smoregulation
 86-003829
 eproductive System
 86-002440
 a kneffti
 ew Species
 86-004899
 a ccellata
 Chlorodiphenyl Ether
 86-003094
 a radifata
 apillaria schaidt
 86-000906
 etatodes
 86-000906
 arasites/Diseases
 86-000906
 enylxylylethanes
 86-003146
 a rhina
 yxosporea
 86-002974
 arasites/Diseases
 86-002974
 rotozoan Diseases
 86-002974
 phaerosporea araf
 86-002974
 idae
 rpullary System
 86-003779
 istribution/Geographical
 86-001731
 lformres
 rvest
 86-001256
 86-005433
 anagement/Research--Marine
 86-001256
 zania typus
 orphology
 86-000134
 nidascaris acus
 ematodes
 86-005144
 arasites/Diseases
 86-005144
 bora heteromorpha
 quariums
 86-001326
 ulture/Propagation
 86-001326
 trelliger faughni
 ife History/General
 86-000528
 trelliger kanagurta
 ge/Growth
 86-000745
 lood Chemistry
 86-000446
 lectrophoresis
 86-000446

...CONTINUED...
 Rastrelliger kanagurta
 Variation Studies
 86-000446
 Reicheltia
 New Genus
 86-004832
 86-004833
 Reinhardtius hippoglossoides
 Distribution/Vertical
 86-004308
 Population Studies
 86-004308
 Sampling
 86-004308
 Relictus solitarius
 Life History/General
 86-004294
 Population Studies
 86-004294
 Remora remora
 Distribution/Geographical
 86-002857
 Retropinna
 Trophic Relationships
 86-004358
 Retropinna retropinna
 Meristic Studies
 86-000165
 Rhacochilus vacca
 Artificial Reefs
 86-003192
 Foods/Feeding
 86-003192
 Rhamdia sapo
 Bacterial Diseases
 86-004964
 Blood Chemistry
 86-003892
 Culture/Propagation
 86-001299
 Hemorrhagic Septicemia
 86-004964
 Parasites/Diseases
 86-004964
 Pond Culture
 86-001299
 Rhamphexocoetus
 New Genus
 86-000814
 Rhamphexocoetus volans
 New Species
 86-000814
 Paleontology
 86-000814
 Rhinichthys atratulus
 Foods/Feeding
 86-000710
 Habitat Selection
 86-004245
 Hybridization
 86-002595
 Life History/General
 86-004245
 Rhinichthys cataractae
 Meristic Studies
 86-001552
 Parasites/Diseases
 86-000917
 Sanguinicola fontinalis
 86-000917
 Trematodes
 86-000917
 Variation Studies
 86-001552
 Rhinichthys osculus nevadensis
 Status
 86-000811

Rhinoptera bonasus
 Foods/Feeding
 86-000696
 Multicalyx cristata
 86-005149
 Parasites/Diseases
 86-005149
 Trematodes
 86-005149
 Rhinoraja taranetzi
 New Species
 86-001768
 Rhodous ocellatus
 Schooling Behavior
 86-003558
 Rhodous ocellatus ocellatus
 Age/Growth
 86-000592
 Bloccass
 86-000592
 Flight
 86-000188
 Population Studies
 86-000532
 Recruitment
 86-000592
 Reproduction
 86-000188
 Schooling Behavior
 86-001564
 Rhombopites aurorubens
 Abundance/Factors of
 86-004761
 Habitat Selection
 86-004160
 Management/Research Note
 86-004761
 Population Studies
 86-004761
 Rhombosolen tapirina
 Early Development
 86-003694
 Embryology
 86-003694
 Rita rita
 Enzymes
 86-002520
 Liver
 86-002520
 Rhyolus barclii
 Foods/Feeding
 86-004590
 Terrestrial Foraging
 86-004590
 Rhyolus marginatus
 Cartilagenous
 86-005265
 Diethyltinrosamine
 86-000932
 Parasites/Diseases
 86-005265
 Tumors
 86-005265
 Rutillus
 Vision
 86-002272
 Rutillus alburnoides
 Karyotypes
 86-002588
 Taxonomy
 86-002588
 Rutillus rutillus
 Abundance/Factors of
 86-002888
 Age/Growth
 86-004656

CONTINUED
 Rut Vlv. rut Vlv.
 America
 86-003552
 ATP
 86-000958
 Auditory Senses
 86-000158
 Bioacoustical
 86-005159
 Codfish
 86-005159
 Carpetation
 86-000705
 86-004680
 Cyanide
 86-003152
 Digestive System
 86-002349
 Enzymes
 86-002349
 86-003558
 Feeding
 86-004311
 Foods/Feeding
 86-000705
 Foods/Feeding/Selectiv
 86-002306
 86-003558
 Heavy Metals
 86-003152
 Hydrolyzation
 86-003094
 86-004120
 Life Cycle Studies
 86-001861
 Population
 86-000958
 Nervous System
 86-000958
 Nitrite
 86-003152
 Phenols
 86-003152
 Predator/Prey Relation
 86-004491
 Pulp Mill Effluents
 86-001914
 Salts
 86-001518
 Temperature
 86-001518
 Thermal Pollution
 86-001861
 Vision
 86-004171
 Subacute Toxicology
 Toxicology
 86-000958
 Reproduction
 86-000958
 Salts
 Abundance/Factors of
 86-004747
 Biomass
 86-004747
 Chlorinated Hydrocarbons
 86-003188
 Chlorohalogenated
 86-001861
 Population Studies
 86-004747
 Subacute
 Eutrophication
 86-004126
 Hydrolyzation
 86-004126

| | | | |
|---------------------------------|--------------|---------------------------|-----------|
| 86-003380 | Salmo clarki | Population Studies | 86-004370 |
| Blood Chemistry | | | 86-004370 |
| 86-004046 | | Production | 86-004370 |
| Clearcutting | | Salmo clarki utah | |
| 86-005378 | | Status | 86-004339 |
| 86-005401 | | Salmo clarki virginalis | |
| Competition | | Management/Research--Gene | 86-005360 |
| 86-001556 | | Salmo gairdneri | |
| Distribution/Factors of | | Abundance/Factors of | 86-000807 |
| 86-005585 | | | 86-002883 |
| DNA | | Abundance/Seasonal | 86-000637 |
| 86-000468 | | Acanthocephala | 86-005084 |
| Electrophoresis | | Acidification | 86-005238 |
| 86-004126 | | | 86-005261 |
| 86-004129 | | Acoustico-lateralis Syst | 86-001481 |
| Flow Regimes | | Acrylamide | 86-003117 |
| 86-002642 | | Aeromonas | 86-004992 |
| Forestry Practices | | Aeromonas salmonicida | 86-000867 |
| 86-005378 | | | 86-004955 |
| 86-005401 | | | 86-004977 |
| 86-005421 | | | 86-004984 |
| Habitat Selection | | Age/Growth | 86-000731 |
| 86-000512 | | | 86-001709 |
| 86-002642 | | | 86-002605 |
| 86-004203 | | | 86-004631 |
| 86-005585 | | | 86-005270 |
| Hybridization | | Age/Length Composition | 86-000586 |
| 86-004126 | | Aggressive Behavior | 86-000470 |
| 86-004129 | | Aldrin | 86-003066 |
| Management/Research--River and | | Alkalinity | 86-000407 |
| Streams | | Alkanes | 86-001889 |
| 86-005378 | | Aluminum | 86-001912 |
| Population Studies | | | 86-001915 |
| 86-000832 | | | 86-005287 |
| 86-005585 | | | 86-005328 |
| Salinity | | Amino Acids | 86-000429 |
| 86-001364 | | | 86-002157 |
| Taxonomy | | Anesthetics | 86-005333 |
| 86-000832 | | Anoxia | 86-000238 |
| Urban Development | | Antibodies | 86-004969 |
| 86-005411 | | Aroclor | 86-001883 |
| Salmo clarki bouvieri | | Aromatic Hydrocarbons | 86-003134 |
| Catch and Release | | Arsenic | 86-005315 |
| 86-005606 | | Ascorbic Acid | 86-001005 |
| Hooking Mortality | | ATP | 86-003989 |
| 86-005606 | | | |
| Management/Research--Rivers and | | | |
| Streams | | | |
| 86-005606 | | | |
| Salmo clarki clarki | | | |
| Forestry Practices | | | |
| 86-005396 | | | |
| Salmo clarki henshawi | | | |
| Foods/Feeding/Selectivity | | | |
| 86-004556 | | | |
| Management/Research--General | | | |
| 86-005344 | | | |
| Status | | | |
| 86-005344 | | | |
| Trophic Relationships | | | |
| 86-000669 | | | |
| 86-004556 | | | |
| Salmo clarki lewisi | | | |
| Zoogeography | | | |
| 86-004602 | | | |
| Salmo clarki pleuriticus | | | |
| Habitat Selection | | | |
| 86-004370 | | | |
| Population Studies | | | |
| 86-004370 | | | |
| Production | | | |
| 86-004370 | | | |

...CONTINUED...

Salmo gairdneri

Bacterial Diseases

86-000863

86-000867

86-000870

86-000872

86-001799

86-002942

86-002944

86-002954

86-002968

86-004951

86-004952

86-004953

86-004954

86-004955

86-004956

86-004969

86-004977

86-004978

86-004990

86-004992

86-004998

86-005014

Bacterial Gill Disease

86-000870

86-005014

Bacterial Kidney Disease

86-000863

86-001952

86-004954

Bayer 73

86-001043

Bioassay Techniques

86-005270

Biochemical Composition

86-000398

86-000415

86-002159

86-002411

86-002431

86-002531

86-003923

Bioenergetics

86-000415

86-002653

86-002801

86-004062

Biomagnification

86-000942

86-000958

86-001029

86-001920

86-001066

86-001159

86-005326

Biomass

86-000586

Blood Chemistry

86-000298

86-000345

86-000377

86-000407

86-000423

86-001298

86-001399

86-001434

86-001509

86-002310

86-002407

86-002496

86-002555

86-003587

86-003917

86-003924

...CONTINUED...

Salmo gairdneri

Blood Chemistry

86-003932

Brackishwater Culture

86-003403

Brood Stock

86-003406

Cachexia

86-001029

86-001012

86-001038

86-001039

86-001890

86-001918

86-001100

86-001145

86-001159

86-001275

86-001277

86-001285

86-001315

Cage Culture

86-003394

Calcium

86-000354

86-001199

86-002475

86-002558

86-003912

86-001320

Carbonyl

86-001194

Cardio Vascular System

86-002481

Catecholamines

86-001482

86-002310

86-002496

Castrotes

86-001049

Chloride Cells

86-000252

Chlorinated Benzene

86-001032

Chlorinated Dibenzopent

86-001914

Chlorinated Dibenzotetra

86-001914

Chlorine

86-001866

Chloroethanol

86-000991

86-001091

86-001894

Chromatin

86-001315

Chromosome Studies

86-002587

Clearcutting

86-001370

86-001401

Cold Shock

86-000964

Collagen

86-004027

Colonization

86-001788

Columnaris Disease

86-002442

Commercial Fishing

86-001327

Competition

86-000487

86-001571

Salmo gairdneri
 Competition
 86-002553
 86-002799
 Copper
 86-001004
 86-001005
 86-001006
 86-001017
 86-001918
 86-003145
 86-005247
 86-005283
 86-005315
 Cortisol
 86-002303
 86-002311
 Cryptobia salmositica
 86-005046
 Culture/Propagation
 86-000062
 86-000068
 86-000071
 86-000073
 86-000084
 86-000415
 86-001285
 86-001298
 86-001319
 86-002026
 86-002047
 86-002048
 86-002053
 86-002055
 86-002059
 86-002061
 86-002063
 86-002064
 86-002101
 86-002141
 86-002147
 86-002157
 86-003394
 86-003403
 86-003406
 86-003526
 86-003529
 86-003531
 86-003546
 86-003567
 86-003571
 86-003577
 86-003587
 Currents
 86-000802
 86-002801
 Cyanide
 86-000999
 86-005306
 Cypermethrin
 86-005252
 Cytochalasin B
 86-000205
 Cytophaga columnaris
 86-002942
 Dams
 86-003267
 Dewatering
 86-004746
 Dieldrin
 86-001032
 86-001920
 86-003066
 Diets
 86-000062

Salmo gairdneri
 Diets
 86-000073
 86-001319
 86-002141
 86-002147
 86-003531
 86-003546
 86-003567
 86-003571
 86-003577
 Digestive System
 86-000312
 86-000358
 86-001379
 86-002454
 86-002482
 Dioxin
 86-001911
 86-003114
 Diplostomum
 86-003044
 Diplostomum spathaceum
 86-005146
 86-005147
 Distribution/Geographical
 86-002904
 DMF
 86-005303
 DNA
 86-000468
 86-002543
 Dominance
 86-002653
 Early Development
 86-000149
 86-003734
 Egg Quality
 86-003577
 Eggs
 86-002411
 86-002431
 86-002510
 86-002531
 Egtved Virus
 86-002996
 Electrofishing
 86-001183
 86-003894
 Electrophoresis
 86-000439
 86-002583
 86-002590
 86-004126
 Electrophysiology
 86-002492
 Electroshock
 86-000417
 86-003894
 Endocrinology
 86-000209
 86-000307
 86-000374
 86-001298
 86-002298
 86-002311
 86-002393
 86-002452
 86-002453
 86-002562
 86-003821
 86-003901
 86-003909
 86-004031
 86-004037

Salmo gairdneri
 Endrin
 86-000984
 Enteric Redmouth Disease
 86-001799
 86-004951
 86-004998
 Enzymes
 86-000071
 86-000241
 86-000246
 86-000312
 86-000358
 86-000422
 86-000424
 86-000992
 86-002359
 86-002418
 86-002454
 86-002482
 86-002583
 86-002590
 86-003971
 86-004008
 86-004009
 Epitheliocystis
 86-003038
 Eulan WA New
 86-003124
 Excretory System
 86-000128
 86-000347
 86-002232
 86-002337
 Exercise
 86-001417
 86-001497
 86-002310
 86-002470
 86-002496
 Fecundity
 86-003577
 Feeding Experiments
 86-000062
 86-000073
 86-000415
 86-002141
 86-002147
 86-002157
 86-003526
 86-003531
 86-003546
 86-003567
 86-003571
 86-003577
 86-003587
 Feeds
 86-000062
 86-000068
 86-000071
 86-000084
 86-002147
 86-003526
 86-003529
 86-003546
 86-003567
 Fenvalerate
 86-003092
 Fish Hatchery Effluents
 86-001285
 Fish Kills
 86-001859
 Fish Passage
 86-001196
 86-003267

Salmo gairdneri
 Fish Passage
 86-001343
 Fish Stocks
 86-000163
 86-002718
 Fishways
 86-001143
 Flow Regimes
 86-002642
 Food Digestibility
 86-000511
 Foods/Feeding
 86-000657
 86-002801
 86-004582
 Forestry Practices
 86-001189
 86-005378
 86-005401
 Fungicides
 86-000991
 Formulations
 86-000886
 86-003955
 86-004984
 Gas Bubble Disease
 86-005108
 Gas Supersaturation
 86-005108
 Gene Polymorphism
 86-001541
 Gene Transfer
 86-001528
 Genetic Markers
 86-005593
 Genetic Strains
 86-002059
 86-002590
 Gill Diseases
 86-005814
 86-005094
 Gill Parasites
 86-003045
 Groundwater
 86-000887
 Growth
 86-004923
 Growth Hormone
 86-004821
 Gyrodactylus maris
 86-005129
 Habitat Selection
 86-001561
 86-002642
 86-002801
 86-003189
 86-004201
 Hatching Success
 86-000802
 Heated Water
 86-002026
 86-002040
 Heavy Metals
 86-001004
 86-001005
 86-001006
 86-001017
 86-001024
 86-001029
 86-001032
 86-001038
 86-001039
 86-001859
 86-001878

CONTINUED ..
Salmo gairdneri

Heavy Metals

86-001890

86-001893

86-001912

86-001915

86-001918

86-001919

86-003100

86-003145

86-005159

86-005235

86-005247

86-005277

86-005283

86-005285

86-005287

86-005295

86-005301

86-005306

86-005315

86-005326

Hepatocellular Ceroidosis

86-005107

Herbicides

86-005290

Hooking Mortality

86-001169

Hormones

86-000307

86-002298

86-003989

Hybridization

86-004126

Hydrocarbons

86-001888

Hydrostatic Pressure

86-002299

Hydrothol

86-005290

Hypoxia

86-001509

86-002356

86-003872

86-005046

IHN

86-005064

Immune Response

86-000265

86-000420

86-002968

86-002996

86-004977

86-005146

Immunization

86-001799

86-002944

86-004984

86-005064

Induced Maturation

86-002061

Insecticides

86-000984

86-001032

86-001920

86-003066

86-003092

86-005194

IPN

86-002987

86-002991

86-002994

Jurisdiction

86-003318

Karyotypes

86-002602

...CONTINUED...

Salmo gairdneri

Karyotypes

86-004149

Kidney

86-002232

Lactobacillus

86-000872

Lamprey Parasitism

86-000919

Lead

86-001017

86-001890

86-005315

Life History/General

86-002679

86-004271

Light

86-000387

86-002061

Ligula intestinalis

86-003049

Lipid Composition

86-000259

86-000266

86-000309

86-000340

Lipid Metabolism

86-001513

86-001888

86-002159

Liver

86-001500

86-002473

86-003702

86-003721

86-003913

Magnesium

86-000347

Management/Research--Gen

86-003169

86-003171

86-003175

86-003327

86-003343

Management/Research--Mar

86-003318

Management/Research--Res

86-001175

Management/Research--Riv

Streams

86-005378

86-005605

Maneb

86-001032

Marking/Tagging

86-000649

86-003226

Maturation

86-000387

86-000415

Mercury

86-001017

86-005315

86-005326

Metabolic Rates

86-000428

86-001517

86-003872

86-004062

Methanol

86-005303

Mortality Factors

86-004746

Movements

86-000637

Salmo gairdneri

Movements

86-000649
86-002059
86-002762
86-002763
86-002904

MS-222

86-005333

Musculature

86-000149
86-000417
86-001562

MYC Genes

86-002622

Naphthenic Hydrocarbons

86-001888

Nervous System

86-007492

Nets/Netting

86-005525

Nodular Gill Disease

86-000870

86-005094

Nutrition

86-000073

86-000084

86-000926

86-001319

86-002152

86-002157

86-002159

86-003531

86-003577

Nutritional Diseases

86-000926

Oil

86-001008

86-005266

86-005302

Olfaction

86-002278

86-004167

Organochlorines

86-000938

86-001920

Osmoregulation

86-000252

86-000325

86-000353

86-001416

86-001426

86-001434

86-001443

86-001450

86-001514

86-001523

86-002407

86-002468

86-003909

Otoliths

86-000163

86-002019

86-002475

Parasites/Diseases

86-000863

86-000867

86-000870

86-000872

86-000919

86-000926

86-001799

86-002942

86-002944

86-002954

Salmo gairdneri

Parasites/Diseases

86-002968

86-002979

86-002987

86-002991

86-002994

86-002996

86-003018

86-003038

86-003054

86-003055

86-003059

86-003951

86-003952

86-003954

86-003954

86-003955

86-003956

86-003964

86-003977

86-003978

86-003981

86-003981

86-003982

86-003988

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86-003988

86-003988

86-003988

Ploidy Levels
 86-004115
 Pollution
 86-004008
 Polychlorinated Biphenyls
 86-001008
 Polyculture
 86-002026
 86-003394
 Pomphorhynchus laevis
 86-005084
 Population Studies
 86-000586
 86-001608
 86-002883
 86-004319
 Potassium
 86-001426
 Power Plant Effluents
 86-002026
 86-002048
 Power Plants
 86-000964
 Predator/Prey Relationships
 86-000919
 86-002799
 86-004602
 Pressure Effects
 86-002299
 Production
 86-000586
 Proliferative Kidney Disease
 86-002979
 86-003018
 86-005021
 86-005036
 Prostaglandins
 86-001407
 Protein Metabolism
 86-003897
 Protein Synthesis
 86-001465
 86-001866
 86-002159
 86-003531
 86-003923
 Protozoan Diseases
 86-002979
 86-005027
 86-005036
 86-005046
 Pulp Mill Effluents
 86-001012
 86-005320
 Put-Grow-and-Take
 86-001175
 Pyrethroids
 86-003092
 Quinoline
 86-001876
 rDNA
 86-001543
 Rearing Density
 86-001298
 Renibacterium salmoninarum
 86-000863
 Renibacterium salmoninarum
 86-004952
 86-004954
 Renin-Angiotensin System
 86-001485
 Reproduction
 86-002332
 86-002452

Reproduction
 86-002453
 86-002562
 Reproductive System
 86-000374
 86-003901
 Research Test Fish
 86-001035
 86-002570
 Respiration
 86-000354
 86-003917
 Rotenone
 86-003104
 Salinity
 86-000325
 86-000731
 86-001379
 86-001443
 86-001450
 86-002418
 86-004008
 Salincola californiensis
 86-003045
 Sex Determination
 86-002055
 Sex Reversal
 86-002055
 Silver
 86-001017
 Social Behavior
 86-002592
 Sodium
 86-000252
 Solvents
 86-005303
 Spawning
 86-001636
 86-002452
 86-002453
 Spawning Cycle Regulation
 86-002053
 Spawning Migration
 86-000620
 Spawning Substrates
 86-000807
 Specific Dynamic Action
 86-001319
 Sperm
 86-003406
 Starvation
 86-000186
 86-002418
 86-004008
 86-004037
 Steroids
 86-004031
 Stocking/Introductions
 86-001169
 86-001175
 Stress
 86-000992
 86-001399
 86-001489
 86-002311
 86-002481
 86-003267
 Sunburn
 86-000926
 Surfactants
 86-005300
 Survival
 86-000807
 86-001169

Salmo gairdneri

Survival

86-001175

Suspended Solids

86-003064

Swimming Performance

86-000428

86-001417

86-001562

Synthetic Pyrethrins

86-005252

Taxonomy

86-002904

TCDD

86-000942

Telemetry

86-000649

86-003226

Temperature

86-000246

86-000259

86-000266

86-000340

86-000420

86-000424

86-001465

86-001513

86-002053

86-002061

86-002316

86-002337

86-002445

86-002555

86-002801

86-003913

86-003971

TFM

86-001043

Thermal Shock

86-002316

86-002445

Thiocyanate

86-000999

Trematodes

86-003044

86-005129

86-005146

86-005147

Variation Studies

86-000439

Vibrio anguillarum

86-002968

86-004969

86-004978

86-004990

Vibriosis

86-004990

Viral Diseases

86-002987

86-002991

86-002994

86-002996

86-005064

Vitamins

86-002152

86-003912

Vitellogenin

86-002332

Wild Trout Management

86-005605

Xenobiotics

86-001876

86-005227

Yersinia ruckeri

86-001799

Salmo gairdneri

Yersinia ruckeri

86-002944

86-002954

86-004951

86-004998

Zinc

86-001017

86-001024

86-001029

86-001859

86-001878

86-001893

86-001918

86-003145

86-005247

86-005295

Salmo gilae

Electrophoresis

86-004126

Hybridization

86-004126

Management./Research--Gen

86-005360

Salmo mykiss

Blood Chemistry

86-000298

Distribution/Geographical

86-002904

Karyotypes

86-002596

Meristic Studies

86-000124

Movements

86-002904

Taxonomy

86-002904

Salmo nelsoni

Life History/General

86-004301

Salmo penshinensis

Karyotypes

86-002596

Salmo salar

Abnormalities

86-002604

Abundance/Factors of

86-002881

86-002882

86-003186

Acid Precipitation

86-001459

86-005218

Acidification

86-005261

Aeromonas salmonicida

86-000867

Age/Growth

86-002824

86-002828

86-002882

86-004520

86-004637

Age/Length Composition

86-001593

Aggressive Behavior

86-004180

86-004191

Aluminum

86-005317

Amino Acids

86-000329

86-000429

Appetite Stimulants

86-003404

...CONTINUED...

Salmo salar
 Bacterial Diseases
 86-000861
 86-000867
 86-002955
 86-004952
 86-004954
 86-004967
 Bacterial Kidney Disease
 86-004952
 86-004954
 Biochemical Composition
 86-002485
 Biomagnification
 86-000971
 86-005161
 Bird Predation
 86-001746
 Blood Chemistry
 86-000451
 86-001459
 Cadmium
 86-004001
 Cage Culture
 86-003394
 Cardio-Vascular System
 86-003879
 Chlorinated Hydrocarbons
 86-000971
 Chlorinated Phenols
 86-005161
 Chlorophenols
 86-000971
 Competition
 86-000487
 86-002824
 86-004165
 86-004194
 Culture/Propagation
 86-000013
 86-000452
 86-001322
 86-003394
 86-003404
 86-003529
 86-003551
 86-004180
 86-004191
 Cytochalasin B
 86-000205
 Diets
 86-001322
 Distribution/Geographical
 86-004729
 DNA
 86-001527
 Eggs
 86-004001
 Embryology
 86-000352
 Endocrinology
 86-001460
 86-003889
 Enteric Redmouth Disease
 86-002955
 Enzymes
 86-000410
 86-001495
 Fecundity
 86-001593
 Feeding Experiments
 86-001322
 Feeds
 86-003529
 Flow Regimes
 86-001949

...CONTINUED...

Salmo salar
 Flow Regimes
 86-002882
 Foods/Feeding
 86-003551
 86-004520
 Forestry Practices
 86-003186
 Fry Stocking
 86-001173
 86-002881
 Furunculosis
 86-000867
 Gyrodactylus salaris
 86-005110
 Habitat Selection
 86-004194
 Heavy Metals
 86-005317
 Hepatic Cysts
 86-001827
 Hitra Disease
 86-004967
 IHN
 86-002995
 Immunization
 86-000861
 Incubation
 86-000013
 Jellyfish Toxin
 86-001879
 Karyotypes
 86-000469
 Landlocked Populations
 86-001606
 Life History/General
 86-005364
 Light
 86-000326
 Lipid Composition
 86-002566
 Management/Research--Gen
 86-003170
 86-005361
 86-005364
 86-005367
 Management/Research--Riv
 Streams
 86-002824
 86-003292
 86-005591
 86-005609
 Marking/Tagging
 86-001161
 Maturation
 86-000391
 86-000410
 86-002290
 86-002304
 86-002476
 86-002477
 Movements
 86-002708
 86-004344
 86-004454
 Nets/Netting
 86-005516
 Olfaction
 86-000395
 86-000476
 Organochlorines
 86-000971
 Orientation/Homing
 86-000476
 Osmoregulation
 86-001466

| | |
|--------------------------------|------------------------|
| Salmo salar | Salmo salar |
| Osmoregulation | Spawning |
| 86-001494 | 86-000613 |
| 86-002456 | 86-003363 |
| Pancreas Disease | Sperm |
| 86-001835 | 86-000357 |
| Parasites/Diseases | Spinal Deformities |
| 86-000861 | 86-002604 |
| 86-000867 | Steroids |
| 86-001827 | 86-000391 |
| 86-001835 | Stocking/Introductions |
| 86-002604 | 86-001173 |
| 86-002955 | 86-002824 |
| 86-002995 | 86-002881 |
| 86-004952 | Substrate Composition |
| 86-004954 | 86-002882 |
| 86-004967 | Swimming Performance |
| 86-005110 | 86-001466 |
| Parr-Smolt Transformation | Telemetry |
| 86-000326 | 86-001161 |
| 86-000395 | Temperature |
| 86-000998 | 86-000352 |
| 86-001460 | 86-002376 |
| 86-001466 | 86-002444 |
| 86-002456 | 86-002882 |
| 86-003841 | 86-004637 |
| 86-003889 | Thermal Shock |
| pH | 86-002376 |
| 86-000998 | Transferrin |
| 86-001459 | 86-004150 |
| 86-003139 | Trematodes |
| 86-005261 | 86-005110 |
| 86-005313 | Triploid Fish |
| Ploidy Levels | 86-000451 |
| 86-004115 | Triploidy |
| Polyculture | 86-000452 |
| 86-003394 | Tumors |
| Polymorphism | 86-001827 |
| 86-000469 | Vibrio |
| Polyploidy | 86-004967 |
| 86-000452 | Vibriosis |
| Population Studies | 86-004967 |
| 86-001621 | Viral Diseases |
| 86-002708 | 86-002995 |
| 86-002716 | Vitellogenin |
| 86-003363 | 86-002444 |
| 86-004314 | Yersinia ruckeri |
| 86-004344 | 86-000861 |
| 86-004356 | 86-002955 |
| 86-005546 | Yield |
| Precocious Males | 86-004344 |
| 86-002476 | Salmo trutta |
| Precocious Maturation | Abundance/Factors of |
| 86-002477 | 86-003186 |
| Production | 86-004768 |
| 86-004356 | Abundance/Seasonal |
| Pumped Storage | 86-000637 |
| 86-005408 | Acidification |
| Recruitment | 86-005261 |
| 86-004314 | Aeromonas salmonicida |
| Renibacterium salmoninarum | 86-000869 |
| 86-004952 | 86-004955 |
| 86-004954 | Age/Growth |
| Reproduction | 86-000335 |
| 86-000613 | 86-000569 |
| 86-002444 | 86-001673 |
| 86-002566 | 86-002692 |
| Reservoir Release Effects | 86-002824 |
| 86-001949 | 86-004021 |
| Restoration of Anadromous Runs | 86-004626 |
| 86-003292 | Aluminum |
| 86-005361 | 86-001909 |
| 86-005609 | 86-001910 |
| Sex Ratios | Appetite Stimulants |
| 86-001593 | 86-003404 |

...CONTINUED...
 Salmo trutta
 Foods/Feeding/Selectivity
 86-004483
 Forestry Practices
 86-003186
 Furunculosis
 86-000869
 86-004955
 Habitat Alterations
 86-005496
 Habitat Improvement/General
 86-005388
 Habitat Selection
 86-002642
 Harvest
 86-004372
 Heavy Metals
 86-001909
 86-001910
 Hybridization
 86-002045
 Insecticides
 86-005243
 Life History/General
 86-000554
 86-002692
 Management Research--Rivers and
 Streams
 86-001242
 Management/Research--General
 86-005581
 Management/Research--Rivers and
 Streams
 86-002824
 86-003193
 86-003299
 86-005388
 86-005595
 Marking/Tagging
 86-000635
 Maturation
 86-001629
 86-002692
 Metabolic Rates
 86-000335
 Movements
 86-000635
 86-000637
 Naled
 86-005243
 Organophosphates
 86-005243
 Parasites/Diseases
 86-000869
 86-002942
 86-002990
 86-004955
 pH
 86-001025
 86-001909
 86-001910
 86-001923
 86-004021
 86-005261
 Population Genetics
 86-002589
 Population Studies
 86-000335
 86-000569
 86-003363
 86-004342
 86-004349
 86-004362
 86-004372
 Power Plants
 86-005496

...CONTINUED...
 Salmo trutta
 Foods/Feeding/Selectivity
 86-004483
 Forestry Practices
 86-003186
 Furunculosis
 86-000869
 86-004955
 Habitat Alterations
 86-005496
 Habitat Improvement/General
 86-005388
 Habitat Selection
 86-002642
 Harvest
 86-004372
 Heavy Metals
 86-001909
 86-001910
 Hybridization
 86-002045
 Insecticides
 86-005243
 Life History/General
 86-000554
 86-002692
 Management Research--Rivers and
 Streams
 86-001242
 Management/Research--General
 86-005581
 Management/Research--Rivers and
 Streams
 86-002824
 86-003193
 86-003299
 86-005388
 86-005595
 Marking/Tagging
 86-000635
 Maturation
 86-001629
 86-002692
 Metabolic Rates
 86-000335
 Movements
 86-000635
 86-000637
 Naled
 86-005243
 Organophosphates
 86-005243
 Parasites/Diseases
 86-000869
 86-002942
 86-002990
 86-004955
 pH
 86-001025
 86-001909
 86-001910
 86-001923
 86-004021
 86-005261
 Population Genetics
 86-002589
 Population Studies
 86-000335
 86-000569
 86-003363
 86-004342
 86-004349
 86-004362
 86-004372
 Power Plants
 86-005496

...CONTINUED...

Salmo trutta
 Predator/Prey Relationships
 86-004183
 86-004490
 86-004577
 Production
 86-000335
 86-000569
 86-004362
 86-004372
 Pulp Mill Effluents
 86-005325
 Regulations
 86-005444
 Reproduction
 86-000360
 Reservoir Release Effects
 86-001949
 86-005496
 Riparian Habitat
 86-003193
 Size Limits
 86-005444
 Slimecides
 86-001034
 Spawning
 86-003363
 86-004349
 86-004406
 Spawning Habitat Restoration
 86-005595
 Stocking/Introductions
 86-002824
 Telemetry
 86-000635
 Temperature
 86-001923
 Trout Stream Management
 86-001242
 86-003193
 86-005388
 Viral Diseases
 86-002990
 Viral Hemorrhagic Septicemia
 86-002990
 Vision
 86-003978
 Water Quality
 86-003405
Salmo trutta fario
 Management/Research--Rivers and
 Streams
 86-004347
 Population Studies
 86-004347
Salmonidae
 Abundance/Factors of
 86-004765
 86-004775
Acanthocephala
 86-000852
Aeromonas salmonicida
 86-002940
 86-002960
 86-004991
 86-004999
 86-005000
 Age/Growth
 86-000725
 Bacterial Diseases
 86-002940
 86-002960
 86-004947
 86-004949
 86-004958

...CONTINUED...

Salmonidae
 Bacterial Diseases
 86-004991
 86-004996
 86-004999
 86-005000
 86-005003
 Bacterial Kidney Disease
 86-004949
 86-004996
 Blood Chemistry
 86-002528
 86-002530
 Cage Culture
 86-002056
 Catch and Release
 86-001964
 86-005442
 86-005443
 86-005447
 86-005450
 86-005454
 Cortisol
 86-002530
 Culture/Propagation
 86-000012
 86-000060
 86-000078
 86-001284
 86-001286
 86-001335
 86-002046
 86-002056
 86-002143
 86-003556
 86-004996
 Dams
 86-001947
 86-001950
 86-003270
 Diets
 86-003556
 Distribution/Geographic
 86-005485
 Early Development
 86-004858
 Economic Values
 86-005334
 86-005440
 Eggs
 86-001363
 Endocrinology
 86-002556
 Enteric Redmouth Disease
 86-004958
 86-005003
 Feeding Experiments
 86-000060
 Feeds
 86-000060
 86-000078
 Fish Grading
 86-005532
 Fish Hatchery Effluents
 86-002056
 86-003556
 Fish Passage
 86-003270
 86-005532
 Fishways
 86-003270
 Flow Regimes
 86-004765
 Foods/Feeding
 86-000662

monidae
 onds/Feeding
 86-000672
 86-000676
 86-000683
 orestry Practices
 86-005379
 urunculosis
 86-002960
 86-004991
 86-004999
 86-005000
 as Supersaturation
 86-000184
 ene Organization
 86-004103
 eneral
 86-005482
 rowth Hormone
 86-002556
 abitat Selection
 86-004775
 86-005608
 eterozygosity
 86-004122
 IIN
 86-005051
 mmune Response
 86-002940
 86-003911
 mmunization
 86-002940
 86-004996
 ife History/General
 86-000537
 agnetic Fields
 86-003887
 anagement/Research--
 86-003351
 anagement/Research--General
 86-001963
 86-001964
 86-003303
 86-003320
 86-005334
 86-005336
 86-005343
 86-005345
 86-005355
 86-005362
 86-005363
 86-005468
 anagement/Research--Rivers and
 streams
 86-003303
 86-004775
 86-005594
 86-005601
 86-005604
 86-005608
 etabolic Rates
 86-001414
 ycobacterium chelonae
 86-004947
 yxobolus insidiosus
 86-005025
 yxosoma cerebralis
 86-001818
 Nutrition
 86-002143
 86-003556
 86-004996
 Parasites/Diseases
 86-000852
 86-001818

Salmonidae
 Parasites/Diseases
 86-002931
 86-002940
 86-002960
 86-004936
 86-004947
 86-004949
 86-004958
 86-004991
 86-004996
 86-004999
 86-005000
 86-005003
 86-005025
 86-005051
 Physiology
 86-000078
 Pigments
 86-003854
 Population Studies
 86-003303
 86-004775
 86-005608
 Power Plants
 86-001950
 Protozoan Diseases
 86-001818
 86-005025
 Put-and-Take
 86-005468
 86-005482
 Recirculating Systems
 86-001335
 Regulations
 86-001963
 86-001964
 86-005442
 86-005443
 86-005447
 86-005450
 86-005452
 86-005454
 Renibacterium salmoninarum
 86-002940
 86-004949
 Selective Breeding
 86-000012
 Size Limits
 86-005454
 Stocking/Introductions
 86-005468
 86-005482
 86-005485
 Stress
 86-002530
 Taxonomy
 86-004858
 Temperature
 86-004776
 Triploid Fish
 86-002586
 Ulcer Disease
 86-002960
 Vibrio anguillarum
 86-002940
 Viral Diseases
 86-005051
 Whirling Disease
 86-001818
 Wild Trout Management
 86-005334
 86-005343
 86-005345
 86-005355

Salmonidae
 Wild Trout Management
 86-005362
 86-005440
 86-005468
 86-005482
 86-005604
Yersinia ruckeri
 86-002940
 86-004958
 86-005003
 Salmoniformes
 Early Development
 86-004872
 Taxonomy
 86-004822
 86-004872
Salvelinus
 Abundance/Factors of
 86-004747
 Biomass
 86-004747
 Population Studies
 86-004747
Salvelinus alpinus
 Age/Growth
 86-002822
 Amino Acids
 86-002659
 Cage Culture
 86-003409
 Catecholamines
 86-003874
 Cestodes
 86-003019
 86-005078
 86-005105
 Chemoreception
 86-001563
 86-002658
 Communication
 86-002659
 Culture/Propagation
 86-003409
 86-003581
 DDT
 86-001011
 Diets
 86-003581
Dipyllobothrium ditremum
 86-005078
 Dwarfism
 86-001225
 86-001683
 Electrophoresis
 86-002658
 Endocrinology
 86-003874
Eubothrium salvelini
 86-003019
 Feeding Experiments
 86-003581
 Foods/Feeding
 86-001683
 Insecticides
 86-001011
 IPN
 86-002997
 Life History/General
 86-004210
 Management/Research--Lakes
 86-001225
 Nutrition
 86-003581
 Olfaction
 86-001553

Salvelinus alpinus
 Olfaction
 86-002659
 Orientation/Homing
 86-001553
 Parasites/Diseases
 86-002997
 86-003019
 86-005078
 86-005105
 Pheromones
 86-001553
 Polychlorinated Biphenyls
 86-001011
 Population Studies
 86-004210
 Predator/Prey Relationships
 86-004547
Tripterygion nodulosus
 86-005105
 Variation Studies
 86-001533
 Viral Diseases
 86-002997
Salvelinus confluentus
 Sedimentation
 86-005209
Salvelinus fontinalis
 Abundance/Factors of
 86-002880
 86-003186
 Acidification
 86-005261
Aeromonas salmonicida
 86-000867
 86-004955
 Aggressive Behavior
 86-002641
 Aminocarb
 86-001026
 Ammonium
 86-001880
 Bacterial Diseases
 86-000867
 86-004955
 Biochemical Composition
 86-003861
 Blood Chemistry
 86-003861
 Cadmium
 86-003106
 Chlorinated Diphenyl Ethers
 86-000989
 Clearcutting
 86-005400
 Competition
 86-001571
 86-002641
 86-004178
 Cortisol
 86-000218
 Culture/Propagation
 86-002045
 86-002051
 86-002058
 Cyanide
 86-000999
 Distribution/Geographical
 86-000753
 Dredging
 86-005400
 Electrofishing
 86-001183
 Electrophysiology
 86-000322

| | |
|---|---|
| 86-002042 | RNA |
| Food Conversion Efficiency | 86-001543 |
| 86-002051 | Reproduction |
| Foods/Feeding | 86-000199 |
| 86-000710 | 86-000310 |
| 86-002641 | 86-000322 |
| 86-004479 | 86-004052 |
| Forestry Practices | Reproductive System |
| 86-003186 | 86-001464 |
| 86-005400 | Riparian Habitat |
| Furunculosis | 86-001092 |
| 86-000867 | 86-003193 |
| 86-004955 | Sanguinicola fontinalis |
| Gene Polymorphism | 86-000917 |
| 86-001543 | 86-003021 |
| Genetic Strains | Sedimentation |
| 86-005471 | 86-003290 |
| Gills | Spawning |
| 86-000130 | 86-001635 |
| Gradient | Steroids |
| 86-002880 | 86-000310 |
| Grazing | Stocking/Introductions |
| 86-001092 | 86-005471 |
| 86-005400 | Teknar |
| Growth | 86-005258 |
| 86-002051 | Thiocyanate |
| Habitat Selection | 86-000999 |
| 86-002642 | Trematodes |
| Heavy Metals | 86-000917 |
| 86-003106 | 86-003021 |
| Hormones | Trout Stream Management |
| 86-004052 | 86-003193 |
| Hybridization | Viral Diseases |
| 86-002045 | 86-005058 |
| 86-004090 | Vitellogenin |
| 86-005471 | 86-004052 |
| Insecticides | Salvelinus leucomaenis |
| 86-001026 | Foods/Feeding |
| 86-005258 | 86-002778 |
| IPN | Foods/Feeding/Selectivity |
| 86-005058 | 86-004509 |
| Life History/General | Life History/General |
| 86-000553 | 86-002701 |
| 86-005581 | Variation Studies |
| Light | 86-004128 |
| 86-001568 | Salvelinus malma |
| Management/Research--Ponds | Clearcutting |
| 86-005471 | 86-005401 |
| Management/Research--Rivers and Streams | Distribution/Factors of |
| 86-003193 | 86-005585 |
| 86-003290 | Forestry Practices |
| Maturation | 86-003189 |
| 86-000310 | 86-005387 |
| Parasites/Diseases | 86-005401 |
| 86-000867 | Habitat Selection |
| 86-000917 | 86-003189 |
| 86-003021 | 86-004203 |
| 86-004955 | 86-005585 |
| 86-005058 | Logging Residue |
| pH | 86-005387 |
| 86-000130 | Management/Research--Rivers and Streams |
| 86-001003 | 86-005387 |
| 86-005202 | Naphthalene |
| 86-005240 | 86-003158 |
| 86-005261 | Oil |
| 86-005319 | 86-003158 |

Population Studies
 86-005585
 Temperature
 86-003158
 Toluene
 86-003158
Salvelinus malma miyabei
 Spawning
 86-001642
Salvelinus namaycush
 Abundance/Factors of
 86-001753
 Age/Growth
 86-004633
Artonia
 86-001287
 86-003401
 Biomagnification
 86-003059
 Cage Culture
 86-003409
 Chemoreception
 86-000605
 Creel Census
 86-005435
 Culture/Propagation
 86-000017
 86-001287
 86-002060
 86-003401
 86-003409
 86-003571
 ODT
 86-003059
 Dieldrin
 86-003059
 Diets
 86-003571
 Drawdowns
 86-001132
 Dwarfism
 86-001225
 Egg Survival
 86-001753
 Eggs
 86-002510
 Feeding Experiments
 86-003571
 Fisherman Surveys
 86-005435
 Foods/Feeding
 86-000657
 86-004540
 Gene Polymorphism
 86-001543
 Habitat Selection
 86-001231
 Harvest
 86-005435
 Insecticides
 86-003059
 Light
 86-001568
 Loading Levels
 86-000017
 Management/Research--Lakes
 86-001168
 86-001225
 86-001231
 86-003246
 86-005435
 86-005572
 Marking/Tagging
 86-005457

86-001753
 Olfaction
 86-000480
 Photoperiodism
 86-001568
 Polychlorinated
 86-003059
 rDNA
 86-001543
 Rearing Density
 86-002060
 Recirculating Sy
 86-001287
 Spawning Behavior
 86-000605
 Stocking/Introdu
 86-001168
 86-003246
 Stunting
 86-004540
 86-004633
 Survival
 86-003246
 Temperature
 86-002657
 Temperature Sele
 86-000498
 86-002657
 Water Level Fluct
 86-001132
 Water Quality
 86-003401
 Wire Tags
 86-005457
Salvelinus pluvius
 Electrophoresis
 86-004109
 Polymorphism
 86-004109
Sarda chiliensis
 Foods/Feeding
 86-001660
Sardina melanosticta
 Distribution/Ge
 86-000632
 Foods/Feeding
 86-004539
 Movements
 86-000632
 86-000642
 Population Stud
 86-000642
Sardina pilchardus
 Egg Size
 86-002229
Lernaeenicus
 86-005135
Lernaeenicus sp
 86-001832
 Parasites/Disea
 86-001832
 Parasitic Copep
 86-001832
 86-005135
 Population Stud
 86-000595
Sardina sagax me
 Population Stud
 86-000591
Sardinella aurita
 Population Stud
 86-000595
Sardinella longipinnis
 Blood Chemistry
 86-000446

Sardinella longiceps
 Distribution/Geographical
 86-000758
 Electrophoresis
 86-000446
 Variation Studies
 86-000446
Sardinella maderensis
 Population Studies
 86-000595
Sardinops melanosticta
 Distribution/Vertical
 86-001654
 Lipid Composition
 86-004051
 Population Studies
 86-002720
 Schooling Behavior
 86-001557
Sardinops sagax
 Age/Growth
 86-000713
 Distribution/Factors of
 86-004718
 El Nino
 86-000623
 86-000625
 86-000713
 Nets/Netting
 86-005504
 Spawning
 86-000623
 86-000625
 Trawls
 86-005504
Sardinops sagax sagax
 Age/Growth
 86-001695
Sargocentron rubrum
 Life History/General
 86-000529
Sarcocheilichthys variegatus
 Eggs
 86-002256
 Pigments
 86-002256
Sarotherodon
 DNA
 86-001537
 Karyotypes
 86-001537
Sarotherodon alcalicus grahami
 Oxygen
 86-004032
 Respiration
 86-004032
Sarotherodon aureus
 Competition
 86-004192
 Fish Kills
 86-000976
 Winterkill
 86-000976
Sarotherodon galilaeus
 Identification
 86-002227
 Scales
 86-002227
Sarotherodon karomo
 Aquariums
 86-002176
 Culture/Propagation
 86-002176
Sarotherodon melanotheron
 Temperature
 86-001574

Sarotherodon melanotheron
 Temperature Selection
 86-001574
Sarotherodon mossambicus
 DDT
 86-001022
 Diammonium Phosphate
 86-001013
 Endosulfan
 86-001023
 Fertilizers
 86-001013
 Imprinting
 86-002668
 Insecticides
 86-001022
 86-001023
 Manure
 86-003122
 Organochlorines
 86-001022
 Salinity
 86-001411
 Temperature
 86-001411
Sarotherodon niloticus
 Acoustico-Lateralis System
 86-000337
 Bacterial Diseases
 86-004959
 Cage Culture
 86-000027
 Culture/Propagation
 86-000027
 Digestive System/Bacterial
 86-000396
 Nervous System
 86-000337
 Parasites/Diseases
 86-004959
 Pseudomonas fluorescens
 86-004959
Sarritor frenatus
 Distribution/Geographical
 86-004697
Saurida
 Callitetrarhynchus gracil
 86-005075
 Cestodes
 86-005075
 Parasites/Diseases
 86-005075
Saurida tumbil
 Age/Growth
 86-000738
Saurida undosquamis
 Acanthobothrium
 86-005087
 Cestodes
 86-005087
 Parasites/Diseases
 86-005087
Scaphirhynchus albus
 Distribution/Geographical
 86-000519
 Hybridization
 86-000519
 Life History/General
 86-000519
Scaphirhynchus platyrhynchus
 Distribution/Geographical
 86-000519
 Hybridization
 86-000519
 Life History/General
 86-000519

Scaridae
 Reef Fish Communities
 86-004550
 Trophic Relationships
 86-004550
 Scarus
 Musculature
 86-000254
 Respiration
 86-000254
 Schedophilus medusophagus
 Early Development
 86-003730
 Schindlerioidei
 Early Development
 86-004909
 Taxonomy
 86-004909
 Schizothorax dulongensis
 New Species
 86-001784
 Schizothorax elongatus
 New Species
 86-001784
 Schizothorax heterochilus
 New Species
 86-002903
 Schizothorax oligolepis
 New Species
 86-001784
 Schizothorax oligolepis malacanthus
 New Subspecies
 86-001784
 Sciaenidae
 Life History/General
 86-004243
 Spawning
 86-000610
 Sciaenops ocellatus
 Cage Culture
 86-002110
 Condition Factors
 86-001625
 Culture/Propagation
 86-002080
 86-002110
 86-002114
 86-002135
 86-002168
 86-002170
 Diets
 86-002135
 Feeding Experiments
 86-002135
 Handling Mortality
 86-002168
 86-002170
 Heated Water
 86-002110
 Hybridization
 86-002080
 Induced Maturation
 86-002114
 Life History/General
 86-000555
 Management/Research--Marine
 86-003238
 Nutrition
 86-002135
 011
 86-001901
 86-005305
 Pond Culture
 86-002080
 86-002114

...CONTINUED...
 Sciaenops ocellatus
 Population Studies
 86-001625
 Power Plant Effluents
 86-002110
 Stocking/Introductions
 86-003238
 Stress
 86-002168
 86-002170
 Supplemental Stocking
 86-003238
 Sclerophages formosus
 Hypothalamic-Hypophyseal
 86-000269
 Sclerophages jardi
 Foods/Feeding
 86-004599
 Scoliodon sonakowah
 Coloration
 86-000145
 Olfaction
 86-000145
 Scomber japonicus
 Biochemical Composition
 86-000434
 86-004022
 Collagen
 86-004027
 Distribution/Seasonal
 86-004444
 Enzymes
 86-001499
 86-004061
 Foods/Feeding
 86-004539
 86-004600
 Musculature
 86-000434
 86-001499
 Population Studies
 86-001616
 Production
 86-001616
 Swimming Performance
 86-001572
 Temperature
 86-001572
 Scomber scombrus
 Population Studies
 86-002747
 Spawning
 86-002747
 Scomberomorus
 Distribution/Seasonal
 86-000640
 Life History/General
 86-000521
 Morphology
 86-000521
 Taxonomy
 86-000521
 Scomberomorus brasiliensis
 Life History/General
 86-005683
 Management/Research--Marine
 86-005683
 Scomberomorus cavalla
 Life History/General
 86-005671
 86-005683
 Management/Research--Marine
 86-005671
 86-005683
 Population Studies
 86-005671

Scorpaenidae
 Body Temperature
 86-000240
 Jurisdiction
 86-002012
 Lactate Dehydrogenase
 86-000240
 Management/Research--Marine
 86-002012
 Movements
 86-004466
 Musculature
 86-000240
 Schooling Behavior
 86-004466
 Scombroidei
 Early Development
 86-004806
 Taxonomy
 86-004806
 Scopelarchidae
 Early Development
 86-004853
 Taxonomy
 86-004853
 Scophthalmus maximus
 Acoustico-Lateralis System
 86-003762
 Culture/Propagation
 86-002108
 86-002113
 86-002116
 86-003533
 86-003535
 86-003575
 Diets
 86-003533
 86-003535
 86-003575
 Early Development
 86-003762
 Egg Production
 86-002108
 Feeding Experiments
 86-002132
 86-003533
 86-003535
 86-003575
 Feeds
 86-003535
 Fish Kills
 86-002113
 Lipid Metabolism
 86-002132
 Mortality Factors
 86-002113
 Nutrition
 86-002132
 86-003533
 Tank Culture
 86-002108
 Vitamins
 86-003575
 Scophthalmus rhombus
 Foods/Feeding
 86-004618
 Scorpaena plumieri
 Distribution/Geographical
 86-004738
 Scorpaenidae
 DNA
 86-000438
 Genomes
 86-000438
 Scorpaeniformes
 Early Development
 86-003808

Scorpaeniformes
 Taxonomy
 86-004907
 Scylliorhinus canicula
 Ampullary System
 86-001490
 Bioenergetics
 86-002292
 Blood
 86-002270
 Blood Chemistry
 86-002408
 Cardio-Vascular System
 86-000194
 86-000195
 Digestive System
 86-003723
 Gills
 86-002258
 Heavy Metals
 86-001925
 86-005245
 Lipid Composition
 86-000385
 Musculature
 86-002292
 86-002474
 Nervous System
 86-000125
 86-000194
 86-000195
 86-002285
 86-002474
 Olfaction
 86-003802
 Osmoregulation
 86-000385
 Rectal Gland
 86-000385
 Respiration
 86-000194
 Respiratory System
 86-002258
 86-002538
 Stress
 86-001925
 Zinc
 86-001925
 86-005245
 Scylliorhinus meadi
 Life History/General
 86-001592
 Scylliorhinus stellaris
 Gills
 86-002243
 86-002733
 Scylliorhinus torazame
 Caudal Neurosecretory System
 86-000348
 Sebastes
 Distribution/Vertical
 86-004468
 Evolution
 86-004147
 Foods/Feeding
 86-001687
 Genetic Divergence
 86-004147
 Habitat Selection
 86-004468
 Lipid Metabolism
 86-000258
 Meristic Studies
 86-003693
 Reproductive System
 86-000258

| | |
|-----------------------|----------------------------|
| Sebastes | Sebastes mystinus |
| Sexual Dimorphism | Tuberculosis |
| 86-001360 | 86-005124 |
| Taxonomy | Sebastes oculatus |
| 86-001781 | Parasites/Diseases |
| 86-004147 | 86-003037 |
| Variation Studies | Parasitic Copepods |
| 86-003693 | 86-003037 |
| Sebastes auriculatus | Pennella |
| Early Development | 86-003037 |
| 86-003796 | Trifur |
| Identification/Larvae | 86-003037 |
| 86-003796 | Sebastiscus marmoratus |
| Sebastes aurora | Acoustico-Lateralis System |
| Early Development | 86-002262 |
| 86-003759 | Immune Response |
| Identification/Larvae | 86-002478 |
| 86-003759 | Nervous System |
| Sebastes caurinus | 86-003728 |
| Early Development | Sound Production |
| 86-003796 | 86-002654 |
| Identification/Larvae | Semaprochilodus |
| 86-003796 | Blood Chemistry |
| Sebastes fasciatus | 86-002550 |
| Early Development | Semicossyphus pulcher |
| 86-000169 | Foods/Feeding |
| 86-001382 | 86-004499 |
| Fish Stocks | Life History/General |
| 86-000459 | 86-004244 |
| Identification | Population Studies |
| 86-004856 | 86-004244 |
| Identification/Larvae | Semionotidae |
| 86-001382 | Evolution |
| Meristic Studies | 86-004871 |
| 86-000459 | Speciation |
| Trophic Relationships | 86-004871 |
| 86-004538 | Taxonomy |
| Sebastes flavidus | 86-004871 |
| Carotenoids | Semotilus atromaculatus |
| 86-001449 | Biomagnification |
| Population Studies | 86-003143 |
| 86-004312 | DNA |
| Sebastes maliger | 86-001401 |
| Artificial Reefs | 86-003832 |
| 86-003192 | Fecundity |
| Foods/Feeding | 86-003143 |
| 86-003192 | Heavy Metals |
| Sebastes mentella | 86-003143 |
| Early Development | Rodlet Cells |
| 86-000169 | 86-003832 |
| 86-001382 | 86-003833 |
| Fish Stocks | Semotilus margarita |
| 86-000459 | Alarm Cells |
| Foods/Feeding | 86-004043 |
| 86-004261 | Alarm Substances |
| Identification | 86-004043 |
| 86-004856 | Seriola dumerilii |
| Identification/Larvae | Bacterial Diseases |
| 86-001382 | 86-004974 |
| Life History/General | Ciguatera |
| 86-004261 | 86-004410 |
| Meristic Studies | 86-005273 |
| 86-000459 | Fecundity |
| Parasites/Diseases | 86-004410 |
| 86-004261 | Foods/Feeding |
| Spawning | 86-005273 |
| 86-004261 | Maturation |
| Trophic Relationships | 86-004410 |
| 86-004538 | Parasites/Diseases |
| Sebastes mystinus | 86-004974 |
| Nematodes | Spawning |
| 86-005123 | 86-004410 |
| Parasites/Diseases | Toxins |
| 86-005123 | 86-005273 |
| 86-005124 | Seriola labandi |
| | Foods/Feeding |
| | 86-002800 |

Seriola lalandi
 Identification/Larvae
 86-001393
 Morphology
 86-001393
Seriola purpurascens
 Paracanthacyllix
 86-005131
 Parasites/Diseases
 86-005131
 Trematodes
 86-005131
Seriola quinqueradiata
 Antibiotics
 86-004979
 Bacterial Diseases
 86-002950
 86-002953
 86-004963
 86-004971
 86-004974
 86-004979
 Biochemical Composition
 86-004022
 Cage Culture
 86-002109
 Culture/Propagation
 86-001321
 86-002109
 Diets
 86-001321
 Enzymes
 86-000323
 86-000324
 Feeding Experiments
 86-001321
 Gill Parasites
 86-005142
 Heteraxine heterocerca
 86-005142
 Immunization
 86-004963
 Lincomycin
 86-004979
Mocardia kampschii
 86-002950
 Nutrition
 86-001321
 Olfaction
 86-000494
 Parasites/Diseases
 86-002950
 86-002953
 86-004963
 86-004971
 86-004974
 86-004979
 86-005048
 86-005049
 86-005061
 86-005069
 86-005142
 Pasteurella
 86-004963
 Pseudotuberculosis
 86-004963
 Streptococcus
 86-004971
 86-004979
 Vibrio
 86-002953
 Viral Diseases
 86-005048
 86-005049
 86-005061

Seriola quinqueradiata
 Viral Diseases
 86-005069
 Yellowtail Ascites Virus
 86-005048
 86-005049
 86-005061
 86-005069
Seriola rivoliana
 Distribution/Geographical
 86-002873
Seriophus politus
 Distribution/Vertical
 86-000666
 Foods/Feeding
 86-000666
 Movements
 86-000666
Serrabrycon
 New Genus
 86-002915
Serrabrycon magoi
 Lepidophagy
 86-002915
 New Species
 86-002915
Serranidae
 Early Development
 86-004857
 Taxonomy
 86-004857
Serranus
 Aquariums
 86-000094
 Culture/Propagation
 86-000094
Serranus baldwini
 Hermaphroditism
 86-004428
 Spawning Behavior
 86-004428
Serranus fasciatus
 Hermaphroditism
 86-001441
 Reproduction
 86-001441
Serranus lamprurus
 Taxonomy
 86-000830
Serrasalms niger
 Calyptospora serrasalmsi
 86-001829
 Parasites/Diseases
 86-001829
 Protozoan Diseases
 86-001829
Serrasalms rhombus
 Foods/Feeding
 86-001675
 Mouth Parts
 86-001675
Shizothorax davidi fumengei
 New Subspecies
 86-001784
Styidium plumieri
 Life History/General
 86-001584
 Movements
 86-001584
 Spawning
 86-001584
Siganus canaliculatus
 Bacterial Diseases
 86-000871
 Parasites/Diseases
 86-000871

SYSTEMATIC INDEX

CONTINUED

- Siganus canaliculatus*
- Streptococcus
- 86-000871
- Siganus oramin*
- Culture/Propagation
- 86-000050
- 86-002105
- Early Development
- 86-000050
- Egg Collection
- 86-002105
- Embryology
- 86-000050
- Fingerling Production
- 86-002105
- Induced Maturation
- 86-000050
- Silhouettea sibayi*
- New Species
- 86-004820
- Sillago analis*
- Harvest
- 86-002011
- Management/Research--Marine
- 86-002011
- Mortality Rates
- 86-002611
- Sillago ciliata*
- Fecundity
- 86-004421
- Harvest
- 86-002011
- Management/Research--Marine
- 86-002011
- Maturation
- 86-004421
- Mortality Rates
- 86-002011
- Spawning
- 86-004421
- Sillago sihama*
- Culture/Propagation
- 86-000055
- Distribution/Seasonal
- 86-000639
- Light
- 86-001640
- Net-Pen Culture
- 86-000055
- Polyculture
- 86-000055
- Pond Culture
- 86-000055
- Salinity
- 86-002324
- Spawning
- 86-001640
- Temperature
- 86-001640
- Siluriformes*
- Sperm
- 86-003743
- Silurodes hypophthalmus*
- Parasites/Diseases
- 86-005119
- Silurodiscoides*
- 86-005119
- Trematodes
- 86-005119
- Silurus*
- Bacterial Diseases
- 86-002946
- Flavobacterium
- 86-002946
- Parasites/Diseases
- Silurus glanis*
- Bacterial Diseases
- 86-001801
- Foods/Feeding
- 86-000686
- 86-000699
- Formalin
- 86-003096
- Parasites/Diseases
- 86-001801
- Sodium Chloride
- 86-003096
- Vibrio
- 86-001801
- Sinocyclocheilus lunane*
- New Species
- 86-001788
- Sinocyclocheilus macro*
- New Species
- 86-001788
- Sinocyclocheilus oxyceph*
- New Species
- 86-001788
- Sinocyclocheilus purpure*
- New Species
- 86-001788
- Solea solea*
- Culture/Propagation
- 86-000063
- 86-002116
- 86-003514
- 86-003518
- 86-003535
- Diets
- 86-000063
- 86-003535
- Digestive System
- 86-002329
- Egg Size
- 86-004404
- Enzymes
- 86-002329
- 86-003855
- Fecundity
- 86-004404
- Feeding Experiments
- 86-000063
- 86-003535
- Feeds
- 86-003535
- Fingerling Production
- 86-003518
- Induced Maturation
- 86-003514
- Polychlorinated Biphenyl
- 86-000986
- Solea vulgaris*
- Fecundity
- 86-001639
- Population Studies
- 86-004305
- Production
- 86-004305
- Reproduction
- 86-001639
- Sorubim lima*
- Life History/General
- 86-002665
- Mimicry
- 86-002665
- Sparidae*
- Culture/Propagation
- 86-003484
- 86-003512

...CONTINUED...

Sparidae
 Early Development
 86-003735
 Fins
 86-003735
 Reproduction
 86-002751
 Reproductive System
 86-002751
 Spawning
 86-002751
Sparus aurata
 Age/Growth
 86-002434
Amyloodinium ocellatum
 86-005026
 Bioenergetics
 86-002434
 Cage Culture
 86-003516
Cryptocaryon irritans
 86-001812
 Culture/Propagation
 86-000052
 86-000059
 86-002116
 86-002138
 86-003487
 86-003488
 86-003493
 86-003498
 86-003499
 86-003500
 86-003502
 86-003511
 86-003516
 86-003523
 86-003525
 86-003527
 Diets
 86-003525
 Electrophoresis
 86-004100
 Endocrinology
 86-003817
 Feeders
 86-002138
 86-003527
 Feeding Experiments
 86-002138
 Fertilization
 86-003488
 Fingerling Production
 86-003487
 Food Conversion Efficiency
 86-002434
 Foods/Feeding/Selectivity
 86-004530
 Fry Production
 86-003500
 86-003502
 86-003511
 Gamete Storage
 86-003488
 Harvest
 86-003493
 Incubation
 86-003498
 Induced Maturation
 86-003523
 Larvae
 86-000059
 Light
 86-000059
 Lymphocystis
 86-005057

. CONTINUED..

Sparus aurata
 Management/Research--Marine
 86-003493
 Nutrition
 86-003525
 Oxygen Consumption
 86-003502
 Parasites/Diseases
 86-001812
 86-004932
 86-005026
 86-005057
 Protozoan Diseases
 86-001812
 86-005026
 Spawning Cycle Regulation
 86-003499
 Swimbladder
 86-002226
 Tank Culture
 86-000059
 Trophic Relationships
 86-004530
 Viral Diseases
 86-005057
 Water Quality
 86-000059
Sphaeroides maculatus
 Life History/General
 86-002699
 Management/Research--Marine
 86-002699
Sphaeroides pachygaster
 Distribution/Geographical
 86-001724
Sphyraenoides
 Early Development
 86-004811
 Taxonomy
 86-004811
Sphyrna lewini
 Cestodes
 86-000930
 Distribution/Geographical
 86-000778
Otobothrium kurisi
 86-000930
 Parasites/Diseases
 86-000930
 Schooling Behavior
 86-000492
Sphyrna zygaena
 Distribution/Geographical
 86-004711
Spirinchus lanceolatus
 Population Studies
 86-002726
Spondyllosoma cantharus
 Bacterial Diseases
 86-004965
 Parasites/Diseases
 86-004965
Vibrio
 86-004965
Spratelloides gracilis
 Fecundity
 86-000603
 Maturation
 86-000603
 Reproduction
 86-000603
 Spawning
 86-000603
Sprattus
 Electrophoresis
 86-000842

| | |
|-----------------------------|---------------------------|
| Sprattus | Squalus acanthias |
| Fish Lists/Keys | Nitrogen Metabolism |
| 86-000842 | 86-002443 |
| Meristic Studies | Olfaction |
| 86-000842 | 86-003802 |
| Variation Studies | Osmoregulation |
| 86-000842 | 86-002377 |
| Sprattus sprattus | 86-002398 |
| Abundance/Factors of | Parasites/Diseases |
| 86-004767 | 86-003043 |
| Age/Growth | 86-005121 |
| 86-004623 | pH Regulation |
| Biomass | 86-002327 |
| 86-004329 | 86-002461 |
| Eutrophication | 86-002532 |
| 86-004767 | 86-002533 |
| Light | Rectal Gland |
| 86-005492 | 86-001503 |
| Management/Research--Marine | 86-002259 |
| 86-005677 | 86-002328 |
| Nets/Netting | 86-002355 |
| 86-005492 | 86-002364 |
| Population Studies | 86-002388 |
| 86-004329 | 86-002422 |
| Salinity | 86-002423 |
| 86-004767 | 86-002435 |
| Temperature | 86-002436 |
| 86-004767 | 86-002441 |
| Trawls | 86-002462 |
| 86-005492 | 86-002519 |
| Sprattus sprattus sprattus | 86-002523 |
| Lipid Composition | 86-002579 |
| 86-004082 | 86-003905 |
| Squalus acanthias | Reproduction |
| Acidosis | 86-000296 |
| 86-002533 | Reproductive System |
| Acoustico-Lateralis System | 86-002442 |
| 86-000206 | Stress |
| Age/Growth | 86-001430 |
| 86-000716 | Trilocularia acanthiaevul |
| Biomagnification | 86-005121 |
| 86-003089 | Vision |
| Blood Chemistry | 86-002287 |
| 86-002352 | Stegastes fasciatus |
| 86-002443 | Territorial Behavior |
| 86-002532 | 86-001559 |
| Calcium | Stegastes leucostictus |
| 86-002436 | Spawning |
| Cardio-Vascular System | 86-004405 |
| 86-002367 | Stellifer chaoi |
| 86-002523 | New Species |
| Cataracts | 86-000813 |
| 86-003043 | Stenodus leucichthys |
| Cestodes | Culture/Propagation |
| 86-005121 | 86-003399 |
| Embryology | Life History/General |
| 86-000146 | 86-004227 |
| Excretory System | Sternoptychidae |
| 86-000370 | Early Development |
| 86-002377 | 86-004782 |
| 86-002398 | Taxonomy |
| 86-002461 | 86-004782 |
| Fin Rays | Stizostedion canadense |
| 86-000716 | Culture/Propagation |
| Heavy Metals | 86-003435 |
| 86-003089 | Hybridization |
| Hormones | 86-003435 |
| 86-002523 | Stizostedion lucioferca |
| Integument | Age/Growth |
| 86-002565 | 86-000707 |
| Marking/Tagging | 86-005221 |
| 86-003230 | Bacterial Diseases |
| Mercury | 86-002964 |
| 86-003089 | Foods/Feeding |
| Nitrogen Metabolism | 86-000699 |
| 86-002366 | |

| | |
|-----------------------------|-----------------------------|
| Theragra chalcogramma | Thunnus |
| Population Studies | Distribution/Vertical |
| 86-004288 | 86-000646 |
| Predator/Prey Relationships | Heavy Metals |
| 86-002884 | 86-003062 |
| Respiration | Iron |
| 86-003997 | 86-003062 |
| Spawning | Lead |
| 86-004425 | 86-003062 |
| Starvation | Musculature |
| 86-004045 | 86-001436 |
| Temperature | Parasites/Diseases |
| 86-003997 | 86-000918 |
| Thermarces | Parasitic Copepods |
| New Genus | 86-000918 |
| 86-002909 | Thermal Regulation |
| Thermarces andersoni | 86-001436 |
| New Species | Zinc |
| 86-002909 | 86-003062 |
| Thermarces cerberus | Thynnidae |
| New Species | Genetic Divergence |
| 86-002909 | 86-004895 |
| Thunnus alalunga | Taxonomy |
| Biomagnification | 86-004895 |
| 86-005180 | Thymallus arcticus |
| Creech Census | Age/Growth |
| 86-005428 | 86-000747 |
| Fisherman Surveys | Competition |
| 86-005428 | 86-000497 |
| Foods/Feeding | Culture/Propagation |
| 86-001660 | 86-000014 |
| Harvest | Exploitation Rates |
| 86-005428 | 86-000573 |
| Heavy Metals | Flow Regimes |
| 86-005180 | 86-000536 |
| Mercury | Habitat Selection |
| 86-005180 | 86-000497 |
| Selenium | Lake Culture |
| 86-005180 | 86-000014 |
| Trace Metals | Life History/General |
| 86-005180 | 86-000516 |
| Thunnus albacares | 86-000536 |
| Biomagnification | Management/Research--Gene |
| 86-005180 | 86-000516 |
| Commercial Fishing | Management/Research--Rive |
| 86-005669 | Streams |
| Foods/Feeding | 86-000573 |
| 86-002800 | Marking/Tagging |
| 86-004573 | 86-003228 |
| Heavy Metals | Mine Effluents |
| 86-005180 | 86-000966 |
| Management/Research--Marine | Moverents |
| 86-005669 | 86-004441 |
| Mercury | Placer Mining |
| 86-005180 | 86-000966 |
| Selenium | Population Studies |
| 86-001406 | 86-000573 |
| 86-005180 | Sedimentation |
| Trace Metals | 86-000966 |
| 86-005180 | Territorial Behavior |
| Thunnus maccoyii | 86-000497 |
| Management/Research--Marine | Trophic Relationships |
| 86-003272 | 86-000497 |
| Thunnus thynnus | Thymallus arcticus tricolor |
| Biomagnification | Zoogeography |
| 86-003062 | 86-004682 |
| Cadmium | Thymallus thymallus |
| 86-003062 | Fry Emergence |
| Caligus coryphaenae | 86-002764 |
| 86-000918 | Harvest |
| Copper | 86-004247 |
| 86-003062 | Karyotypes |
| Culture/Propagation | 86-002614 |
| 86-003504 | Life History/General |
| Distribution/Factors of | 86-004247 |
| 86-000646 | |

Thymallus thymallus
 Light
 86-002764
 Management/Research--Lakes
 86-004247
 Movements
 86-002764
 Zoogeography
 86-004723
 Thyrastes atun
 Otonconia
 86-003709
 Tilapia
 Aspergillus
 86-001816
 Bacterial Diseases
 86-001798
 Cage Culture
 86-000022
 Culture/Propagation
 86-000022
 86-002021
 86-002087
 86-002130
 86-002131
 86-002166
 86-003453
 86-003468
 Diets
 86-002166
 DNA
 86-001537
 Feeding Experiments
 86-002166
 Feeds
 86-002166
 Fertilization/Soil and Water
 86-002130
 86-002131
 Fish as Food
 86-001270
 Flexibacter columnaris
 86-001798
 Fluorescent Antibody Technique
 86-001816
 Fungal Diseases
 86-001816
 Karyotypes
 86-001537
 Livestock-fish Culture
 86-003453
 Marketing
 86-001270
 Nutrition
 86-002166
 Parasites/Diseases
 86-001798
 86-001816
 86-004922
 Polyculture
 86-002087
 Pond Culture
 86-002087
 86-003453
 Raceway Culture
 86-000022
 Tank Culture
 86-000022
 Tilapia aurea
 Cadmium
 86-005225
 Competition
 86-000044
 Culture/Propagation
 86-000044

Tilapia aurea
 Culture/Propagation
 86-000079
 86-002072
 86-002100
 86-002161
 86-002651
 86-003410
 86-003578
 Diets
 86-000079
 86-003578
 Feeding Experiments
 86-000079
 86-003578
 Growth
 86-003410
 Heavy Metals
 86-005225
 Hybridization
 86-002581
 86-003410
 Light
 86-002433
 Lipid Metabolism
 86-000079
 Noise
 86-002651
 Nutrition
 86-002161
 Polyculture
 86-000044
 86-002072
 Pond Culture
 86-000044
 86-002072
 86-003410
 Reproduction
 86-002433
 Sewage Effluents
 86-002100
 Sonic Stimulation
 86-002651
 Stress
 86-002428
 Temperature
 86-002428
 86-002581
 86-003937
 Thermal Shock
 86-003937
 Vitamins
 86-002161
 Tilapia guineensis
 Brackishwater Culture
 86-002117
 Cage Culture
 86-002117
 Culture/Propagation
 86-002117
 Tilapia hornorum
 Cichlidogyrus sclerosus
 86-005134
 Culture/Propagation
 86-002154
 Diets
 86-002154
 Feeding Experiments
 86-002154
 Hybridization
 86-002154
 86-002581
 Parasites/Diseases
 86-005134
 Temperature
 86-002581

apia hororum
 rematodes
 86-005134
 apia mariae
 cannibalism
 86-004211
 apia mossambica
 Bacterial Diseases
 86-004973
 Biochemical Composition
 86-000219
 ichilidogyrus sclerosus
 86-005134
 istribution/Geographical
 86-004698
 edwardsiella tarda
 86-004973
 mbryology
 86-000139
 ndocrinology
 86-000139
 86-003946
 enitrothion
 86-000980
 ybridization
 86-002581
 nsecticides
 86-000980
 arasites/Diseases
 86-004973
 86-005134
 ll
 86-003090
 igments
 86-003786
 tarvation
 86-000219
 emperature
 86-002581
 rematodes
 86-005134
 apia nilotica
 eromonas
 86-004944
 eromonas hydrophila
 86-002966
 mino Acids
 86-002507
 Bacterial Diseases
 86-002966
 86-004944
 aycarb
 86-005228
 ionex
 86-005228
 arotenoids
 86-002463
 ulture/Propagation
 86-002154
 86-002164
 86-003410
 86-003411
 86-003412
 86-003426
 86-003427
 86-003463
 86-003528
 86-003541
 86-003542
 86-004920
 86-005228
 ypermethrin
 86-005228
 ets
 86-002154

..CONTINUED..
 Tilapia nilotica
 Egg Production
 86-003463
 Eptam
 86-005308
 Feeding Experiments
 86-002154
 86-002164
 86-003528
 86-003541
 86-003542
 Feeds
 86-003528
 86-003541
 86-003542
 Growth
 86-003410
 86-003411
 Herbicides
 86-005308
 Hybridization
 86-002154
 86-003410
 Insecticides
 86-005228
 Life History/General
 86-003285
 Management/Research--Lakes
 86-003285
 Meristic Studies
 86-004148
 Mordown
 86-005308
 Nutrient Requirements
 86-002507
 Nutrition
 86-002164
 Parapest
 86-005228
 Parasites/Diseases
 86-002966
 86-004920
 86-004944
 86-005031
 Polyculture
 86-003426
 Pond Culture
 86-003410
 86-003411
 86-003426
 86-003463
 86-003542
 Protozoan Diseases
 86-005031
 Rice-Fish Culture
 86-003412
 86-003427
 86-005228
 Salinity
 86-004063
 Shellcarb
 86-005228
 Spawning
 86-004387
 Treflan
 86-005308
 Variation Studies
 86-004148
 Tilapia rendalli
 Culture/Propagation
 86-003464
 Polyculture
 86-003464
 Pond Culture
 86-003464

| | |
|---------------------------|-----------------------------|
| Tilapia zillii | Torpedo marmorata |
| Abundance/Factors of | Pigments |
| 86-004774 | 86-005091 |
| Appetite/Stimulants | Predator/Prey Relationships |
| 86-001296 | 86-005099 |
| Competition | Trachinotus, myoxo- |
| 86-004774 | Acantobotriatum |
| Culture/Propagation | 86-005017 |
| 86-000064 | Cycloides |
| 86-001296 | 86-005087 |
| Feeding Experiments | Dematodes |
| 86-000064 | 86-005117 |
| Feeds | Parasites/Diseases |
| 86-000064 | 86-005087 |
| Foods/Feeding | 86-005117 |
| 86-004584 | Trachinotus, myoxo- |
| Life History/General | Trachinotus, myoxo- |
| 86-003285 | 86-005117 |
| Management/Research Lakes | Trachinotus |
| 86-003285 | Early Development |
| Parasites/Diseases | 86-004900 |
| 86-002993 | Ecology |
| Viral Diseases | 86-004900 |
| 86-002993 | Trachinotus, myoxo- |
| Tilapia | Ecology |
| Age/Growth | 86-005027 |
| 86-004624 | Culture/Propagation |
| Blood Chemistry | 86-005027 |
| 86-002416 | Reared Males |
| Culture/Propagation | 86-005027 |
| 86-003441 | Life History/General |
| 86-003442 | 86-004954 |
| Early Development | Power Plant Effluents |
| 86-000496 | 86-005027 |
| Hypoxia | Trachinotus, myoxo- |
| 86-002416 | Early Development |
| 86-002416 | Ecology |
| Induced Maturation | 86-005027 |
| 86-003441 | Predator/Prey Relationships |
| 86-003442 | 86-005027 |
| Karyotypes | Trachinotus, myoxo- |
| 86-004139 | Ecology |
| Respiratory System | 86-000496 |
| 86-002416 | Trachinotus, myoxo- |
| Temperature | Early Development |
| 86-000496 | 86-004774 |
| 86-004624 | Ecology |
| Vision | 86-004774 |
| 86-000320 | Trachinotus, myoxo- |
| Tor canis | Minicolumnal Corpora |
| Foods/Feeding | 86-004774 |
| 86-001688 | Ecology |
| Torpedo | 86-004774 |
| Distribution/Geographical | Ecology |
| 86-002864 | 86-004774 |
| Torpedo | Ecology |
| Distribution/Geographical | 86-004774 |
| 86-002864 | Ecology |
| Electric Organs | 86-004774 |
| 86-002297 | Ecology |
| Electrophysiology | 86-004774 |
| 86-002569 | Ecology |
| Torpedo marmorata | Ecology |
| Antigens | 86-004774 |
| 86-000226 | Ecology |
| Copper | 86-004774 |
| 86-003088 | Ecology |
| Defensive Behavior | 86-004774 |
| 86-002629 | Ecology |
| Electroshock | 86-004774 |
| 86-002629 | Ecology |
| Endocrinology | 86-004774 |
| 86-000226 | Ecology |
| 86-000226 | Ecology |
| Heavy Metals | 86-004774 |
| 86-003088 | Ecology |

...CONTINUED...

Trachurus novaezelandiae

Temperature

86-003956

Trachurus symmetricus

Mortality Factors

86-000797

Starvation

86-002542

Trachurus symmetricus murphyi

Feeds/Feeding

86-004552

Trematonus hansonii

Musculature

86-000283

Triakis scyllia

ATP

86-000287

86-000288

Caudal Neurosecretory System

86-000348

Pigments

86-003765

Triakis semifasciata

Cestodes

86-001848

Lacistorhynchus tenuis

86-001848

Parasites/Diseases

86-001848

Tribolodon hakonensis

Body-Scale Relationship

86-003747

Early Development

86-003747

Population Studies

86-004375

Scales

86-003747

Schooling Behavior

86-001558

Trichiuridae

Harvest

86-001139

Trichurus haumela

Nematodes

86-005117

Parasites/Diseases

86-005117

Raphidascaroidea

trachinocephalus

86-005117

Trichurus lepturus

Distribution/Seasonal

86-004461

Distribution/Vertical

86-004461

Feeds/Feeding

86-000685

Trichogaster

Aquariums

86-002174

Culture/Propagation

86-002174

Trichogaster trichopterus

Ichthyophthirius multifiliis

86-005030

Parasites/Diseases

86-005030

Protozoan Diseases

86-005030

Trichopsis pumilus

Aquariums

86-000102

Culture/Propagation

86-000102

Tridentiger obscurus

Reproduction

86-000614

Spawning

86-000614

Trigla lucerna

Life History/General

86-004285

Trigloporus lastoviza

Life History/General

86-004279

Triphoturus

Taxonomy

86-004844

Tripterygion capito

Locomotion

86-002638

Tripterygion varium

Locomotion

86-002638

Trisopterus luscus

Lernaeocera luscus

86-003011

Parasites/Diseases

86-003011

Parasitic Copepods

86-003011

Umbra limi

Abundance/Factors of

86-001761

Life History/General

86-000544

Management/Research--Lakes

86-001761

Population Studies

86-001761

Umbra pygmaea

Life History/General

86-002681

pH

86-001003

86-002681

Uranoscopus scaber

Culture/Propagation

86-003500

Fry Production

86-003500

Uroconger lepturus

Acanthobothrium

86-005087

Cestodes

86-005087

Parasites/Diseases

86-005087

Urolophus halleri

Eimeria halleri

86-001817

Parasites/Diseases

86-001817

Protozoan Diseases

86-001817

Urophycis chuss

Thermal Stratification

86-000507

Valencia hispanica

Electrophoresis

86-002594

Polymorphism

86-002594

Venefica proboscidea

Distribution/Vertical

86-001590

Fish Lists/Keys

86-001590

Identification

86-001590

- . CONTINUED
Venefica proboscidea
 Life History/General
 86-001590
Ventrifossa
 Predator/Prey Relationships
 86-004576
Ventrifossa johnboorum
 New Species
 86-004847
 86-004848
Vimba vimba
 Embryology
 86-002240
 Temperature
 86-002240
Vinciguerrria lucetia
 Foods/Feeding
 86-004553
Xenestius californiensis
 Cleaning Behavior
 86-004214
Xenomelaniris venezuelae
 Population Studies
 86-001624
Xiphias gladius
 Biomagnification
 86-003071
 Distribution/Factors of
 86-000646
 Distribution/Vertical
 86-000646
 Gonosomatic Index
 86-002761
 Heavy Metals
 86-003071
 Mercury
 86-003071
 Selenium
 86-003071
 Sex Ratios
 86-002761
Xiphophorus
 Aquariums
 86-001329
 Culture/Propagation
 86-001329
Xiphophorus helleri
 Coloration
 86-004159
 Precocious Maturation
 86-001468
 Reproduction
 86-001468
Xiphophorus maculatus
 Eggs
 86-000142
 Endocrinology
 86-004030
 Maturation
 86-004136
 Nervous System
 86-000373
 Olfaction
 86-000373
 Reproduction
 86-000373
 Reproductive System
 86-000142
 Sperm
 86-000142
Xyrauchen texanus
 Abundance/Factors of
 86-004759
 Hybridization
 86-004759
- ...CONTINUED
Xyrauchen texanus
 Life History/General
 86-004759
 Management/Research--Rivers
 Streams
 86-004759
 86-005476
 Reintroductions
 86-005476
 Spawning
 86-004423
 Stocking/Introductions
 86-005476
 Temperature
 86-002632
 Temperature Selection
 86-002632
Xyrichtys novacula
 Epidermis
 86-004083
 Integument
 86-004083
Xyrichtys pentadactylus
 Sex Reversal
 86-000342
Zacco termincki
 Pigments
 86-002410
Zelotes
 Early Development
 86-004905
 Taxonomy
 86-004905
Zoarcas viviparus
 Cadmium
 86-001908
 Embryology
 86-000297
 Heavy Metals
 86-001908
 Lactate Dehydrogenase
 86-001545
 Population Genetics
 86-001545
 Variation Studies
 86-001545
Zoaridae
 Distribution/Geographical
 86-000527
 Life History/General
 86-000527
 Taxonomy
 86-000527

Administrative Reports
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 Pesticidal Plants
 Control/Biological
 86-000001
 86-000002
 86-000004
 86-001340
 86-003282
 86-003372
 86-003419
 86-004358
 Control/Chemical
 86-000002
 86-000003
 General
 86-001278
 86-003289
 Hydrilla
 86-000004
 Igran 80W
 86-000003
 Macrocystis
 86-000757
 Management/Research--Lakes
 86-001278
 Toxic Algae
 86-001873
 86-003126
 Trophic Relationships
 86-001278
 Zostera marina
 86-000773
 Behavior
 Activity Patterns
 86-001164
 86-002647
 86-003310
 86-004166
 86-004188
 86-004190
 86-004222
 86-004467
 86-004581
 Aggressive Behavior
 86-000470
 86-000508
 86-002641
 86-002674
 86-004162

. . . CONTINUED . . .
 Behavior
 Aggressive Behavior
 86-004177
 86-004180
 86-004191
 86-004199
 86-004204
 86-004220
 86-004221
 Alarm Reaction
 86-001573
 Arousal
 86-002666
 Attacks on Humans
 86-000559
 86-004197
 86-004199
 86-004204
 86-004235
 96-004739
 Auditory Senses
 86-000479
 86-000506
 86-001579
 86-002634
 86-002639
 86-004179
 86-004207
 Brooding Behavior
 86-000484
 86-000600
 86-000616
 86-000627
 86-001575
 86-002630
 86-004278
 86-004389
 86-004422
 Buoyancy Adjustment
 86-002637
 86-004175
 86-004184
 Burrowing Behavior
 86-004188
 86-004217
 Cannibalism
 86-000510
 86-002071
 86-002674
 86-004172
 86-004198
 86-004211
 86-004215
 86-004511
 86-004593
 Chemoreception
 86-000222
 86-000483
 86-000605
 86-001563
 86-001570
 86-001578
 86-002628
 86-002648
 86-002658
 86-002664
 86-003740
 86-004189
 86-004208
 Circadian Rhythms
 86-000190
 86-004450
 Cleaning Behavior
 86-004214
 Communication
 86-000483

Behavior
 Communication
 86-002646
 86-002659
 86-004171
 Competition
 86-000044
 86-000487
 86-000497
 86-000503
 86-000655
 86-000660
 86-000677
 86-000705
 86-001556
 86-001571
 86-002641
 86-002653
 86-002677
 86-002678
 86-002797
 86-002799
 86-002824
 86-002839
 86-002885
 86-002888
 86-004165
 86-004178
 86-004181
 86-004192
 86-004193
 86-004194
 86-004498
 86-004500
 86-004514
 86-004774
 86-004779
 Coprophagy
 86-001567
 Defensive Behavior
 86-002629
 86-002635
 Dominance
 86-000488
 86-002653
 Electrical Communication
 86-003915
 Escape Behavior
 86-004176
 86-004183
 86-004186
 86-004187
 86-004195
 86-004489
 86-004612
 Eye-picking
 86-002636
 86-002660
 Foods/Feeding
 86-001680
 86-002794
 86-003769
 86-004503
 86-004519
 86-004558
 86-004567
 86-004570
 86-004594
 86-004608
 Fright Behavior
 86-000474
 86-000481
 86-000482
 86-001555
 General
 86-001580

Behavior
 General
 86-004185
 86-004734
 Genetics
 86-000447
 Habitat Selection
 86-000485
 86-000497
 86-000499
 86-000502
 86-000503
 86-000512
 86-000542
 86-000563
 86-000574
 86-000630
 86-000677
 86-000786
 86-000798
 86-001231
 86-001278
 86-001561
 86-001566
 86-001686
 86-002631
 86-002633
 86-002642
 86-002643
 86-002645
 86-002656
 86-002663
 86-002669
 86-002675
 86-002678
 86-002685
 86-002690
 86-002801
 86-002804
 86-003189
 86-003297
 86-004160
 86-004169
 86-004188
 86-004194
 86-004196
 86-004202
 86-004203
 86-004206
 86-004222
 86-004223
 86-004224
 86-004228
 86-004245
 86-004272
 86-004277
 86-004370
 86-004373
 86-004390
 86-004451
 86-004452
 86-004453
 86-004468
 86-004522
 86-004639
 86-004688
 86-004775
 86-004779
 86-005585
 86-005608
 Home Range
 86-000473
 86-002649
 86-002652
 86-004212

| | |
|---------------------------|----------------------|
| Behavior | Behavior |
| Home Range | Schooling Behavior |
| 86-004459 | 86-001530 |
| Imprinting | 86-001557 |
| 86-002668 | 86-001558 |
| Individual Recognition | 86-001564 |
| 86-000475 | 86-001678 |
| In Recognition | 86-002647 |
| 86-002644 | 86-002662 |
| Earning | 86-004164 |
| 86-002670 | 86-004457 |
| Epidophagy | 86-004466 |
| 86-002915 | Sibling Recognition |
| Eight | 86-004208 |
| 86-000495 | Social Behavior |
| Locomotion | 86-000478 |
| 86-000477 | 86-000488 |
| 86-002638 | 86-001565 |
| 86-003780 | 86-001569 |
| Magnetic Fields | 86-002592 |
| 86-002673 | 86-002640 |
| Micry | 86-002667 |
| 86-002636 | 86-004213 |
| 86-002665 | Sonic Stimuli |
| Fact ion | 86-002651 |
| 86-000395 | Sound Production |
| 86-000476 | 86-001577 |
| 86-000480 | 86-002646 |
| 86-000493 | 86-002654 |
| 86-000494 | 86-004171 |
| 86-001553 | Spawning Behavior |
| 86-002325 | 86-000478 |
| 86-002648 | 86-000597 |
| 86-002659 | 86-000601 |
| 86-003144 | 86-000605 |
| 86-004167 | 86-000612 |
| 86-004168 | 86-000615 |
| 86-004209 | 86-000616 |
| Orientation/Homing | 86-000617 |
| 86-000476 | 86-000618 |
| 86-000491 | 86-000619 |
| 86-001553 | 86-001565 |
| 86-001570 | 86-001634 |
| 86-002649 | 86-001638 |
| 86-002652 | 86-001641 |
| 86-002671 | 86-001642 |
| 86-002673 | 86-001643 |
| 86-004161 | 86-001644 |
| 86-004189 | 86-001646 |
| 86-004200 | 86-001649 |
| 86-004201 | 86-002452 |
| 86-004216 | 86-002453 |
| 86-004435 | 86-002646 |
| 86-004459 | 86-002744 |
| eromones | 86-002749 |
| 86-000490 | 86-002750 |
| 86-001553 | 86-002757 |
| 86-001560 | 86-003883 |
| 86-001570 | 86-004396 |
| 86-002321 | 86-004399 |
| otoperiodism | 86-004405 |
| 86-000501 | 86-004415 |
| ototropism | 86-004426 |
| 86-001568 | 86-004428 |
| edator/Prey Relationships | 86-004429 |
| 86-002661 | 86-004433 |
| 86-002662 | 86-004439 |
| eotoxin | 86-004570 |
| 86-004443 | 86-004779 |
| eotropism | Spawning Migration |
| 86-004220 | 86-004200 |
| ooling Behavior | 86-004216 |
| 86-000489 | 86-004435 |
| 86-000492 | Swimming Performance |
| 86-000495 | 86-000505 |

| CONTINUED . | CONTINUED... |
|---------------------------------|--------------------------------|
| Behavior | Culture/Propagation--Coldwater |
| Swimming Performance | Cage Culture |
| 86-000509 | 86-002056 |
| 86-000650 | 86-002057 |
| 86-001466 | 86-003391 |
| 86-001562 | 86-003394 |
| 86-001572 | 86-003395 |
| 86-001576 | 86-003402 |
| 86-002676 | 86-003409 |
| 86-003686 | 86-005478 |
| 86-004174 | Delayed Hatching |
| 86-004182 | 86-000015 |
| 86-004219 | 86-003243 |
| Symbiosis | 86-003245 |
| 86-001554 | 86-004555 |
| Techniques/Chemoreception | Diets |
| 86-002650 | 86-000061 |
| Temperature Selection | 86-000062 |
| 86-000472 | 86-000073 |
| 86-000490 | 86-001319 |
| 86-000498 | 86-001322 |
| 86-000643 | 86-002134 |
| 86-001574 | 86-002141 |
| 86-002632 | 86-002144 |
| 86-002657 | 86-002147 |
| 86-002672 | 86-002155 |
| 86-004443 | 86-002165 |
| Terrestrial Grazing | 86-003531 |
| 86-000531 | 86-003534 |
| Terrestrial Locomotion | 86-003546 |
| 86-004590 | 86-003556 |
| Territorial Behavior | 86-003567 |
| 86-000497 | 86-003571 |
| 86-001559 | 86-003577 |
| 86-002782 | 86-003581 |
| 86-004205 | Disinfection |
| 86-004218 | 86-002035 |
| 86-004433 | Egg Quality |
| 86-004570 | 86-003577 |
| Vision | Exercise |
| 86-000471 | 86-002051 |
| 86-000486 | Feeding Experiments |
| 86-000489 | 86-000061 |
| 86-000500 | 86-000062 |
| 86-000504 | 86-000065 |
| 86-000513 | 86-000066 |
| 86-002655 | 86-000073 |
| 86-004173 | 86-000074 |
| Bibliographies | 86-000415 |
| Colorado | 86-001313 |
| 86-005737 | 86-001322 |
| Culture/Propagation | 86-002051 |
| 86-002024 | 86-002134 |
| NMFS Woods Hole Lab./Publs 1985 | 86-002141 |
| 86-005735 | 86-002144 |
| Polyodon spathula | 86-002147 |
| 86-005736 | 86-002155 |
| Systematic Zoology/Index, | 86-002157 |
| 1952-1985 | 86-003526 |
| 86-005734 | 86-003531 |
| Culture/Propagation--Coldwater | 86-003532 |
| Ammonia | 86-003534 |
| 86-001287 | 86-003544 |
| 86-003401 | 86-003546 |
| Appetite Stimulants | 86-003555 |
| 86-003404 | 86-003565 |
| Artificial Streams | 86-003567 |
| 86-003407 | 86-003571 |
| Brackishwater Culture | 86-003574 |
| 86-003403 | 86-003577 |
| Brood Stock | 86-003581 |
| 86-003406 | 86-003587 |
| Cage Culture | Feeds |
| 86-000016 | 86-000060 |
| 86-000019 | 86-000062 |

| | |
|------------------------------|------------------------------|
| Feeds | Nutrition |
| 86-000065 | 86-001319 |
| 86-000066 | 86-002143 |
| 86-000074 | 86-003531 |
| 86-000078 | 86-003532 |
| 86-000084 | 86-003545 |
| 86-001313 | 86-003556 |
| 86-002147 | 86-003565 |
| 86-002165 | 86-003577 |
| 86-003526 | 86-003581 |
| 86-003529 | 86-004996 |
| 86-003546 | Ozone |
| 86-003551 | 86-002035 |
| 86-003555 | Pigmenters |
| 86-003565 | 86-002063 |
| 86-003567 | 86-002064 |
| 86-003574 | 86-002101 |
| Fertilization | Polyculture |
| 86-003408 | 86-003394 |
| Fertilization/Soil and Water | Polyploidy |
| 86-003400 | 86-000452 |
| Filtration Systems | Pond Culture |
| 86-002054 | 86-003391 |
| Fish Hatchery Effluents | 86-005478 |
| 86-001285 | 86-005433 |
| 86-002056 | 86-005620 |
| 86-003556 | Power Plant Effluents |
| Fry Production | 86-002048 |
| 86-003396 | Production |
| General | 86-002049 |
| 86-001286 | Rearing Density |
| 86-002047 | 86-001298 |
| 86-002058 | 86-002060 |
| 86-003399 | Recirculating Systems |
| 86-005579 | 86-001287 |
| General/Canada - Alberta | 86-001335 |
| 86-001284 | 86-002054 |
| General/France | Selective Breeding |
| 86-002046 | 86-000012 |
| General/Japan | Sex Determination |
| 86-003397 | 86-002050 |
| 86-003398 | 86-002055 |
| Genetic Strains | Sex Reversal |
| 86-002059 | 86-002055 |
| Growth | Spawning Channels |
| 86-002051 | 86-000018 |
| Handling Mortality | 86-005610 |
| 86-002518 | Spawning Cycle Regulation |
| Heated Water | 86-002053 |
| 86-002048 | Starvation |
| Hybridization | 86-003396 |
| 86-002045 | Tank Culture |
| Incubation | 86-003391 |
| 86-003393 | Transportation |
| Incubators | 86-005103 |
| 86-000013 | Vitamins |
| Induced Maturation | 86-003532 |
| 86-002061 | Water Quality |
| 86-002062 | 86-003401 |
| 86-004086 | 86-003405 |
| Invertebrate Forage | Culture/Propagation--General |
| 86-003544 | Aeration |
| 86-003545 | 86-001334 |
| Lake Culture | 86-002182 |
| 86-000014 | 86-002184 |
| 86-002049 | 86-002185 |
| Loading Levels | Anesthetics |
| 86-000017 | 86-005278 |
| Net-Pen Culture | Appetite Stimulants |
| 86-002052 | 86-003524 |
| Nutrition | 86-003562 |
| 86-000061 | Aquariums |
| 86-000073 | 86-000091 |
| 86-000084 | 86-000101 |

Culture/Propagation--General

Aquariums
 86-000104
 86-000113
 86-000114
 86-000115
 86-001304
 86-003594
 86-003608
 Aquatic Plant Control
 86-000003
 86-001340
 Bacteria
 86-000009
 86-003378
 Bibliographies
 86-002024
 Broodstock
 86-003585
 Cage Culture
 86-002027
 California
 86-003380
 86-003381
 86-003390
 California: Humboldt Bay
 86-005688
 Chemical Registration
 86-002038
 Colorado
 86-001176
 Costa Rica
 86-002034
 Diets
 86-002139
 86-003538
 86-003540
 86-003550
 86-003582
 Disinfection
 86-001809
 Egypt
 86-002081
 Extension Services
 86-002033
 Feeders
 86-000085
 86-001338
 86-003536
 Feeding Experiments
 86-003538
 86-003550
 86-003552
 86-003559
 86-003570
 Feeds
 86-000067
 86-000068
 86-000071
 86-001314
 86-002139
 86-002148
 86-003524
 86-003570
 86-003579
 86-003582
 Fertilization/Soil and Water
 86-005527
 Filtration Systems
 86-002183
 86-002189
 Fish Grading
 86-003613
 Fish Hatchery Effluents
 86-002188

Culture/Propagation--Gen

Fish Hatchery Effluent
 86-002196
 86-003376
 Florida
 86-000005
 Foam Fractionation
 86-002196
 Forage Collection
 86-003614
 Forage Production
 86-002187
 86-002193
 86-002194
 86-003609
 Garete Storage
 86-003611
 General
 86-000006
 86-000008
 86-001280
 86-002031
 86-002041
 86-002042
 86-002043
 86-003374
 86-003375
 Genetic Strains
 86-002607
 Heated Water
 86-002026
 86-002027
 86-002036
 Hydroponics
 86-002044
 Inbreeding
 86-002039
 Indonesia
 86-003383
 Induced Maturation
 86-001304
 86-001339
 86-002195
 Invertebrate Culture
 86-002032
 Iraq
 86-002020
 Israel
 86-001282
 Livestock-Fish Culture
 86-003387
 Malaysia
 86-003383
 Maturation
 86-003379
 Middle East
 86-002022
 86-002023
 Modeling
 86-001279
 86-002037
 Morocco
 86-002030
 Nutrition
 86-001320
 86-003538
 86-003539
 86-003540
 86-003549
 86-003553
 86-003585
 86-003586
 Oxygenation
 86-003385
 Philippines
 86-003386

...CONTINUED...

Culture/Propagation--General

Piscicides/Registration

86-002038

Plankton Control

86-001340

Planning

86-002025

Polyculture

86-002026

86-002044

Pond Circulation

86-002184

Pond Construction

86-000007

Pond Culture

86-000116

86-002028

86-002184

86-002185

Power Plant Effluents

86-002026

86-002027

86-002036

Recirculating Systems

86-000011

86-002183

86-002189

86-002192

86-003610

86-003612

Saudi Arabia

86-002021

Selective Breeding

86-002039

86-004106

Sewage Effluents

86-002040

86-003384

86-005527

Sex Determination

86-003379

Soils

86-000007

Solar Heating

86-002192

South America

86-002924

Tadpole Control

86-001336

86-002190

Taiwan

86-002029

Tank Culture

86-003389

Techniques/Pumps

86-002186

Thailand

86-003383

Transportation

86-003589

United States

86-001281

USSR

86-003373

Vitamins

86-003549

Water Supply

86-002028

86-003377

Culture/Propagation--Invertebrates

Artemia

86-002187

86-002193

Daphnia magna

86-002194

Culture/Propagation--Marine

Aquariums

86-000090

86-000094

86-000099

86-000100

86-000109

86-000110

86-001308

86-001325

86-001330

86-003593

86-003596

Baitfish Culture

86-002107

Brackishwater Culture

86-002088

86-002117

86-003515

Cage Culture

86-001310

86-002109

86-002110

86-002111

86-002112

86-002117

86-002119

86-002121

86-002122

86-003394

86-003491

86-003497

86-003508

86-003516

86-003517

Carnivore

86-001309

Diets

86-000063

86-000082

86-001312

86-001321

86-002135

86-002145

86-002163

86-003525

86-003533

86-003535

86-003554

86-003575

Economics

86-001308

Egg Collection

86-000030

86-002105

Egg Production

86-002108

86-003501

Egg Quality

86-000081

Feeders

86-002138

86-003527

Feeding Experiments

86-000058

86-000063

86-000076

86-000080

86-000081

86-000082

86-001312

86-001321

86-002111

86-002132

86-002135

CONTINUED.
 Culture/Propagation--Marine
 Feeding Experiments
 86-002138
 86-002145
 86-002149
 86-002150
 86-002163
 86-002167
 86-003530
 86-003533
 86-003535
 86-003554
 86-003557
 86-003575
 Feeds
 86-000070
 86-000076
 86-000080
 86-001312
 86-002167
 86-003530
 86-003535
 86-003547
 86-003554
 Fertilization
 86-003488
 Fertilization/Soil and Water
 86-000058
 86-002130
 86-002131
 Fingerling Production
 86-002105
 86-002106
 86-002124
 86-003487
 86-003518
 Fish Kills
 86-002113
 Forage Collection
 86-003486
 Forage Production
 86-002129
 86-003492
 86-003547
 Fry Production
 86-002120
 86-003500
 86-003502
 86-003506
 86-003509
 86-003510
 86-003511
 86-003519
 86-003520
 86-003521
 86-003530
 Gamete Storage
 86-003488
 General
 86-000052
 86-001308
 86-002128
 86-003484
 86-003493
 86-003504
 86-003512
 General/France
 86-002116
 General/Japan
 86-003483
 Growth
 86-002145
 86-003513
 86-003521
 Growth Depressants
 86-001309

. . CONTINUED . . .
 Culture/Propagation--Marine
 Growth Stimulants
 86-001309
 Handling Mortality
 86-002168
 86-002170
 86-002171
 Hatchery Design
 86-003503
 Heated Water
 86-002110
 Incubation
 86-003498
 Induced Maturation
 86-000050
 86-000051
 86-000053
 86-002114
 86-002125
 86-003505
 86-003507
 86-003514
 86-003523
 Invertebrate Forage
 86-000076
 Lagoon Culture
 86-003494
 Larvae
 86-000059
 Light
 86-000059
 Maturation
 86-003490
 Modeling
 86-003513
 Mortality Factors
 86-002113
 86-003522
 Net-Pen Culture
 86-000055
 86-002052
 Nutrition
 86-000076
 86-001312
 86-001321
 86-002132
 86-002135
 86-002167
 86-003525
 86-003533
 Oxygen Consumption
 86-003502
 Polyculture
 86-000055
 86-002115
 86-002127
 86-003394
 Polyploidy
 86-002617
 86-002618
 Pond Culture
 86-000055
 86-000056
 86-000057
 86-000058
 86-001297
 86-002114
 86-002123
 86-002124
 86-002126
 86-002127
 86-003482
 Power Plant Effluents
 86-002110
 Recirculating Systems
 86-002191

CONTINUED ..
 Culture/Propagation--Marine
 Recirculating Systems
 86-003489
 86-003496
 Salinity
 86-002120
 86-003510
 Solar Heating
 85-002191
 Spawning Cycle Regulation
 86-003485
 86-003499
 Summerkill
 86-000057
 Tank Culture
 86-000059
 86-001307
 86-002108
 86-002118
 86-003491
 86-003495
 86-003522
 Temperature
 86-003513
 86-003522
 Valliculture
 86-003515
 Vitamins
 86-003575
 Water Quality
 86-000056
 86-000059
 86-001297
 Water Supply
 86-002181
 Culture/Propagation--Warmwater
 Appetite Stimulants
 86-001296
 Aquariums
 86-000088
 86-000089
 86-000092
 86-000093
 86-000095
 86-000096
 86-000097
 86-000098
 86-000102
 86-000103
 86-000105
 86-000106
 86-000107
 86-000108
 86-000111
 86-000112
 86-001323
 86-001324
 86-001326
 86-001327
 86-001328
 86-001329
 86-001331
 86-001332
 86-001333
 86-002172
 86-002173
 86-002174
 86-002175
 86-002176
 86-002177
 86-002178
 86-002179
 86-002180
 86-003592
 86-003595

...CONTINUED...
 Culture/Propagation--Warmwater
 Aquariums
 86-003597
 86-003598
 86-003599
 86-003600
 86-003601
 86-003602
 86-003603
 86-003604
 86-003605
 86-003606
 86-003607
 Aquatic Plant Control
 86-003419
 Bacteria
 86-000028
 Baitfish Culture
 86-002097
 86-002102
 86-003424
 Benthos
 86-003470
 Biofiltration
 86-003420
 Brackishwater Culture
 86-001291
 86-002067
 Brood Stock
 86-000032
 86-001290
 86-002075
 86-003479
 Cage Culture
 86-000022
 86-000027
 86-002086
 86-003395
 86-003409
 86-003416
 Cannibalism
 86-002071
 Diets
 86-000077
 86-000079
 86-000083
 86-001316
 86-002133
 86-002137
 86-002146
 86-002151
 86-002154
 86-002156
 86-002162
 86-002166
 86-003548
 86-003558
 86-003560
 86-003561
 86-003563
 86-003566
 86-003576
 86-003578
 86-003588
 Economics
 86-000021
 86-002068
 86-002077
 86-003431
 Egg Collection
 86-001617
 86-002082
 Egg Production
 86-003445
 86-003463

... CONTINUED ...
Culture/Propagation--Warmwater

Egg Quality

86-003443

Feeding Experiments

86-000040

86-000064

86-000069

86-000075

86-000077

86-000079

86-000083

86-000086

86-001311

86-001316

86-001317

86-002074

86-002090

86-002091

86-002092

86-002133

86-002136

86-002137

86-002140

86-002142

86-002146

86-002151

86-002154

86-002156

86-002160

86-002164

86-002166

86-003425

86-003528

86-003537

86-003541

86-003542

86-003548

86-003558

86-003560

86-003561

86-003563

86-003564

86-003566

86-003568

86-003569

86-003573

86-003576

86-003578

86-003580

86-003583

86-003584

Feeds

86-000064

86-000069

86-000075

86-000077

86-000083

86-000086

86-001311

86-001318

86-002133

86-002136

86-002153

86-002166

86-003425

86-003447

86-003528

86-003537

86-003541

86-003542

86-003543

86-003561

86-003569

86-003580

86-003584

CONTINUED ...
Culture/Propagation--Warmwater

Feeds

86-003588

Fertility

86-002082

Fertilization

86-002082

Fertilization/Soil and Water

86-000029

86-000040

86-000042

86-000045

86-001294

86-002090

86-002091

86-002092

86-003447

86-003448

86-003475

86-003478

86-004920

Filtration Systems

86-003422

Fingerling Production

86-003437

86-003444

86-003446

Food Conversion Efficiency

86-003568

Fry Production

86-000043

86-000333

86-001333

86-002099

86-002133

86-003573

General

86-000036

86-000037

86-000039

86-000049

86-001300

86-002065

86-002083

86-003388

86-003417

86-003433

86-003436

86-003439

86-003452

86-003457

86-003466

86-003467

86-003468

86-003469

86-003472

86-003473

86-003481

General/Canada: British Columbia

86-001301

General/Florida

86-003465

General/Guam

86-002078

General/Philippines

86-003306

General/Thailand

86-003382

Genetic Strains

86-000031

Growth

86-000026

86-001306

86-002066

86-003410

CONTINUED...

Culture/Propagation--Warmwater

growth
86-003411
86-003473
Oxygenesis
86-004113
86-004125
Handling Mortality
86-000249

hatchery Design
86-003429

Heated Water
86-003428

hybridization
86-000026

86-000041

86-000465

86-002080

86-002098

86-002099

86-002154

86-002584

86-003410

86-003434

86-003435

86-003474

inbreeding
86-001289

Induced Maturation
86-000035

86-000606

86-001292

86-001295

86-001305

86-002069

86-002076

86-002079

86-002084

86-002085

86-002095

86-002096

86-002099

86-003418

86-003423

86-003432

86-003438

86-003441

86-003442

86-003449

86-003456

86-003461

86-003462

invertebrate Forage
86-003572

livestock-Fish Culture
86-003453

langroves
86-000036

Maturation
86-002075

Modeling
86-003454

Noise
86-002651

Nursery Areas
86-003448

Nutrition
86-000072

86-002156

86-002160

86-002161

86-002162

86-002164

86-002166

86-003548

...CONTINUED ..

Culture/Propagation--Warmwater

Nutrition
86-003560

86-003563

86-003566

86-003568

86-003583

86-003584

Plankton Populations
86-003455

86-003476

86-003477

86-003480

Polyculture
86-000021

86-000029

86-000033

86-000044

86-000045

86-002072

86-002087

86-002089

86-002090

86-002091

86-002092

86-002093

86-002098

86-003426

86-003447

86-003464

Polyploidy
86-000047

86-001526

86-004098

Pond Culture
86-000025

86-000026

86-000028

86-000033

86-000040

86-000041

86-000044

86-000045

86-000046

86-001288

86-001294

86-001299

86-001302

86-002067

86-002072

86-002074

86-002080

86-002087

86-002089

86-002090

86-002091

86-002092

86-002093

86-002094

86-002097

86-002098

86-002140

86-003410

86-003411

86-003415

86-003420

86-003421

86-003426

86-003451

86-003453

86-003459

86-003463

86-003464

86-003470

86-003471

...CONTINUED...

Culture/Propagation--Warmwater

Pond Culture

86-003476
86-003477
86-003478
86-003480
86-003542
86-003572
86-003573

Raceway Culture

86-000022

Recirculating Systems

86-003422
86-003454

Rice-Fish Culture

86-003412
86-003413
86-003427
86-005228

Salinity

86-000040

Selective Breeding

86-000024
86-000032

Sewage Effluents

86-002100
86-003458
86-003460

Sex Determination

86-001337

Spawning Techniques

86-000048

Sterilization

86-000047

Supplemental Feeding

86-002140
86-003573

Tank Culture

86-000022
86-002103
86-002104
86-003430

Taste and Odor Problems

86-003414
86-003450

Transportation

86-002169
86-003590
86-003591

Unisex Populations

86-000038

Vitamins

86-002161

Water Quality

86-001283
86-001303
86-002074
86-003440

Endangered/Threatened Species

Chasmistes liorus

86-005356

Culture/Propagation

86-002073

Cyprinodon macularius

86-005477

Cyprinodon nevadensis mionectes

86-000811

Desert Fishes

86-001059

Gambusia affinis

86-002721

General

86-001059
86-001538
86-005337

...CONTINUED...

Endangered/Threatened Species

Genetics

86-004131

Micropterus treculi

86-002073

Nevada/White River

86-000792

Poeciliopsis occidentalis

86-005477

Rhinichthys osculus nevadensis

86-000811

South Africa Transvaal

86-000765

USSR

86-000772

Environmental Factors

Acidification

86-005154

Alkalinity

86-000407

Calcium

86-001516

86-004021

Climate

86-005544

Currents

86-000568

86-000570

86-000648

86-000756

86-000802

86-001726

86-002395

86-002767

86-002801

86-004754

Dewatering

86-004746

El Nino

86-000623

86-000625

86-000713

86-000810

86-001348

86-002741

86-003347

86-003619

86-004751

86-004764

Eutrophication

86-004767

Floods

86-000796

86-001744

86-001759

86-003298

86-004762

86-004772

Flow Regimes

86-000524

86-000554

86-000796

86-001630

86-001655

86-001752

86-001757

86-001759

86-002206

86-002642

86-002713

86-002882

86-004392

86-004447

86-004748

86-004765

Freshwater Inflows
 86-000788
 Gas Supersaturation
 86-000184
 86-000914
 86-003628
 86-005108
 General
 86-000739
 86-000806
 86-001226
 86-001745
 86-001758
 86-002498
 86-002759
 86-002882
 86-002883
 86-004750
 86-004753
 86-004756
 86-004757
 Gradient
 86-002880
 Gravity
 86-002395
 Groundwater
 86-000807
 Hydrostatic Pressure
 86-000378
 86-002299
 86-002395
 86-002514
 86-002748
 Light
 86-000188
 86-000190
 86-000201
 86-000216
 86-000326
 86-000387
 86-000404
 86-000501
 86-001568
 86-001640
 86-002061
 86-002076
 86-002346
 86-002347
 86-002433
 86-002539
 86-002754
 86-002764
 86-004163
 86-004222
 86-004440
 86-004477
 86-005492
 Lunar Influences
 86-000609
 86-000611
 86-005494
 Magnetic Fields
 86-000787
 86-002671
 86-003393
 86-003818
 86-003887
 86-005491
 Nitrogen
 86-003885
 Noise
 86-002651
 Ocean Fronts
 86-004732

Oxygen
 86-001882
 86-002766
 86-003294
 86-004032
 86-004474
 86-004649
 86-004748
 pH
 86-000433
 86-000951
 86-001459
 86-001479
 86-001516
 86-001750
 86-002289
 86-002353
 86-002681
 86-004021
 86-004770
 Pressure Effects
 86-000433
 Salinity
 86-000152
 86-000237
 86-000280
 86-000290
 86-000325
 86-000426
 86-000427
 86-000731
 86-000783
 86-001364
 86-001379
 86-001411
 86-001421
 86-001443
 86-001450
 86-001473
 86-001630
 86-001644
 86-001747
 86-002289
 86-002324
 86-002328
 86-002344
 86-002369
 86-002418
 86-002567
 86-002568
 86-002867
 86-002935
 86-003284
 86-004008
 86-004063
 86-004161
 86-004343
 86-004767
 86-004778
 Substrate Composition
 86-000485
 86-002766
 86-002882
 Temperature
 86-000151
 86-000178
 86-000201
 86-000214
 86-000243
 86-000246
 86-000259
 86-000266
 86-000268
 86-000290

CONTINUED
Environmental Factors
Temperature

86-000293
86-000308
86-000332
86-000333
86-000340
86-000352
86-000382
86-000409
86-000414
86-000420
86-000421
86-000424
86-000433
86-000472
86-000496
86-000500
86-000568
86-000576
86-000628
86-000633
86-000643
86-000645
86-000729
86-000734
86-000756
86-000789
86-000914
86-001351
86-001411
86-001419
86-001437
86-001444
86-001451
86-001452
86-001463
86-001465
86-001473
86-001513
86-001518
86-001560
86-001572
86-001574
86-001640
86-001697
86-001698
86-001748
86-001882
86-001923
86-002053
86-002061
86-002076
86-002111
86-002120
86-002240
86-002244
86-002289
86-002307
86-002313
86-002316
86-002337
86-002340
86-002344
86-002346
86-002347
86-002353
86-002357
86-002376
86-002397
86-002417
86-002428
86-002444
86-002445

CONTINUED
Environmental Factors
Temperature

86-002465
86-002472
86-002522
86-002537
86-002539
86-002554
86-002555
86-002574
86-002581
86-002632
86-002657
86-002672
86-002754
86-002766
86-002801
86-002821
86-002867
86-002892
86-002887
86-003158
86-003415
86-003437
86-003473
86-003560
86-003564
86-003825
86-003849
86-003857
86-003882
86-003896
86-003899
86-003913
86-003935
86-003937
86-003945
86-003956
86-003971
86-003979
86-003997
86-004028
86-004054
86-004182
86-004196
86-004443
86-004447
86-004451
86-004469
86-004473
86-004624
86-004637
86-004650
86-004718
86-004732
86-004736
86-004748
86-004763
86-004766
86-004767
86-004776
86-004778
86-005221
86-005390
86-005470
Thermal Stratification
86-000507
86-000643
Thermal Vents
86-004674
Tides
86-000647
86-002539
Turbidity
86-000525

...CONTINUED...

Environmental Factors

Turbidity

86-000941
86-002199
86-003673
86-004485
86-004755

Upwelling

86-000568
86-001343
86-001349
86-004766

Volcanos

86-004535

Weather

86-000791
86-005578

Wind

86-001748
86-004447
86-004752
86-005494

Fish Control/Removal

Electrofishing

86-003127

Lamprey Control

86-001965
86-003224
86-003282

Management/Research--Ponds

86-001158
86-005455

Management/Research--Reservoirs

86-001158

Predator Control

86-003127

Predator Introductions

86-003308

Fish Kills

Cyanide

86-005224

General/Belgium

86-005224

General/Canada: Ontario: Mud

Lake

86-001872

Heavy Metals

86-001859
86-005224

Parasites/Diseases

86-001819

Toxic Algae

86-001873

Winterkill

86-000976
86-005612

Fish Lists/Keys

Africa, Southern

86-004735

Alabama: Interior Low Plateau

86-000754

Alabama: Tallapoosa River

86-001732

Alaska: Chena River

86-005593

Alaska: Pacific Ocean

86-004695

Argentina: Chaco

86-004669

Arkansas: Ouchita River Basin

86-004664

Atlantic Ocean, North

86-000780
86-000781

Atlantic Ocean, Northeastern

86-004743

...CONTINUED...

Fish Lists/Keys

Australia

86-004686

Australia: Port Stephens

86-004705

Australia: Victoria

86-000777

Austria: Danube River

86-004665

Baltic Sea

86-000585

Bering Sea

86-004742

Black Sea

86-003356

Botswana: Lower Okavango Swam

86-004713

Brazil: Amazon River

86-004662

California: Carson River

86-002860

California: Channel Islands

86-000769

California: Channel Islands

Natl. Park

86-004676

California: Elkhorn Slough

86-001739

California: Humboldt Bay

86-004689

California: Owens River

86-004677

86-004678

California: Sacramento-San

Joaquin Estuary

86-001741

California: San Francisco Ba

86-000788

California: Truckee River

86-002860

Canada: Alberta: Prairie Cre

86-001723

Canada: Labrador

86-001712

Canada: Manitoba

86-001738

Canada: Newfoundland

86-000781

Canada: Nova Scotia

86-001724

Canada: Ontario: Ottawa

86-001718

86-001719

86-001720

Canada: Pacific Ocean

86-004721

Caribbean Sea

86-002842

86-004741

86-004788

Chaenopsinae

86-004788

Chile

86-001731

China: Xizang: Namjagbarwa

86-002876

Colombia

86-004741

Colombia: Malaga Bay

86-004731

Colorado: Colorado River

86-004710

Colorado: Platte River Basin

86-004725

Colorado: Yampa River

86-004710

Fish Lists/Keys

Cuba
 86-004660
 86-004730
 Czechoslovakia. Ohre River
 86-002852
 Egypt. Lake Mariut
 86-004722
 England: Northamptonshire: River
 Nene
 86-001711
 England. River Trent
 86-002848
 England: Severn River Estuary
 86-002845
 Eptatretidae
 86-004903
 Etheostoma
 86-001598
 Florida: Everglades
 86-004701
 France
 86-004726
 Gulf of Mexico: Flower Garden
 Banks
 86-001729
 Hawaii
 86-004740
 86-005686
 Honduras, Central
 86-001740
 Illinois: Interior Low Plateau
 86-000754
 India
 86-000784
 India: Kota District
 86-000779
 Indiana: Interior Low Plateau
 86-000754
 Japan: Suruga Bay
 86-002738
 Japan: Tosa Bay
 86-000763
 Johnston Atoll
 86-002735
 Kentucky: Buck Creek
 86-000755
 Kentucky: Clarks River
 86-001728
 Kentucky: Interior Low Plateau
 86-000754
 Kentucky: Rolling Fork
 86-001722
 Kingsbury State Fish Wildl. Area
 86-002868
 Louisiana. Grand Isle
 86-002855
 Manitoulin Lakes
 86-004692
 Marshall Islands
 86-004727
 Mediterranean Sea
 86-004317
 86-004743
 Mexico
 86-001764
 Mexico: Baja California
 86-004301
 Mexico: Baja California:
 Colorado River
 86-004666
 Mexico: Baja California. Laguna
 Salada
 86-004675
 Mississippi River, Upper
 86-000542

Fish Lists/Keys

Mississippi: Buffalo River
 86-001717
 Mississippi: Homochitto River
 86-001717
 Mississippi: Little Tallahatchie
 River
 86-001598
 Monacanthidae
 86-000777
 New England
 86-005623
 New Zealand
 86-004720
 New Zealand: Kaitioura
 86-002849
 New Zealand: Pauatahanui Inlet
 86-001725
 New Zealand: Porirua Inlet
 86-001725
 North America
 86-000762
 Notropis
 86-001764
 Noturus
 86-002846
 Ohio: Pike Cty.: Scioto River
 86-000776
 Oregon. Pacific Ocean
 86-001715
 86-001736
 Pacific Ocean
 86-004721
 86-004740
 86-005628
 86-005686
 Pacific Ocean: Alaska
 86-004695
 Pacific Ocean: Oregon
 86-001715
 Pacific Ocean: Peru
 86-002854
 Poland: River Dunajec
 86-002869
 Poland: River Nysa Klodzka
 86-002874
 Portugal
 86-000751
 Potomac River
 86-004702
 Puerto Rico: Laguna Joyuda
 86-004737
 Rajidae
 86-001731
 Red Sea
 86-004681
 Seychelles Islands
 86-004704
 South Africa: Kei River Estuary
 86-001733
 South Africa: Mgobozeleni Lake
 86-004670
 South Carolina: Carolina
 Sandhills Natl. Wildl. Refuge
 86-004717
 South Carolina: Wee Tee Lake
 86-000770
 Sprattus
 86-000842
 St. Clair-Detroit River System
 86-004696
 86-004714
 Sudan: Dinder Natl. Park
 86-002859
 Syria
 86-000767

h Lists/Keys
ennessee: Interior Low Plateau
86-000754
tah: Colorado River
86-004710
tah: Yampa River
86-004710
enezuela: Rio Chama River
86-001730
est Germany. Danube River
86-004665
isconsin: Manitowoc River
86-001721
isconsin: Sheboygan River
86-001721
isconsin: Twin River
86-001721
h Passage
oustic Barriers
86-005534
ir Bubbler
86-005537
arriers
86-005539
ams
86-001191
86-001196
86-003267
86-003270
86-005531
ish Grading
86-005532
ish Lifts
86-005529
ish Pumps
86-001198
86-001199
ishways
86-001196
86-001200
86-001201
86-003270
86-003343
eneral
86-001196
86-003269
86-005531
mpingement/Entrainment
86-001197
86-001199
86-001199
86-001975
86-003268
86-005530
86-005533
86-005535
86-005536
86-005537
86-005538
86-005540
Power Plants
86-001196
86-001197
86-001199
86-001975
86-005530
86-005533
86-005536
86-005537
86-005538
Pumping Stations
86-005528
Screens
86-001975
86-005540
shing Gear
Chemicals
86-001181

Fishing Gear
Electrofishing
86-001178
86-001183
86-001189
86-003894
Explosives
86-003261
Gear Selectivity
86-001971
86-003258
86-005490
86-005491
86-005498
86-005509
86-005512
86-005521
86-005526
General
86-001179
86-001187
86-003256
86-005505
86-005629
Hooks
86-005500
Larval Fish
86-005506
Longlines
86-003260
86-005497
Nets/Fry
86-001188
86-003254
86-003263
86-003265
86-005522
Nets/Fyke Nets
86-001188
Nets/General
86-001180
86-001182
86-005490
Nets/Gill Nets
86-002722
86-003258
86-003262
86-005495
86-005513
86-005514
86-005516
86-005518
Nets/Lights
86-003253
86-003266
86-005493
Nets/Misc.
86-003259
Nets/Pound Nets
86-005651
Nets/Purse Seines
86-005501
86-005517
86-005519
Nets/Push Nets
86-001971
Nets/Seines
86-005507
Nets/Trammel Nets
86-001184
86-003262
Nets/Trap Nets
86-001185
86-001972
86-003257

Fishing Gear

Nets/Trap Nets

86-005508

Nets/Trawls

86-001190

86-001192

86-001193

86-001194

86-001971

86-001974

86-003266

86-005489

86-005491

86-005492

86-005493

86-005498

86-005502

86-005503

86-005504

86-005509

86-005510

86-005512

86-005515

86-005520

86-005521

86-005523

86-005524

86-005526

Rotenone

86-001181

Scuba

86-005511

Set-Lines

86-001186

Traps/Catfish Traps

86-003264

Traps/Fry

86-000574

86-003254

86-003255

Traps/Lighted

86-000574

Traps/Stream

86-001191

86-005525

Vessel Design

86-001973

86-005499

Genetics

Age/Growth

86-000749

86-002605

86-002615

Antifreeze Production

86-004146

Behavior

86-000447

Chromosome Elimination

86-002601

Chromosome Studies

86-001524

86-002616

86-004092

Cloning

86-000449

86-000461

86-004439

Coloration

86-004159

DNA

86-000438

86-000468

86-001527

86-001537

86-004093

Genetics

Electrophoresis

86-000439

86-000445

86-000446

86-000450

86-000456

86-000463

86-000837

86-000842

86-001530

86-001531

86-001542

86-002583

86-002589

86-002590

86-002594

86-002600

86-002606

86-002608

86-002610

86-002612

86-002613

86-002620

86-002621

86-002623

86-002625

86-002627

86-002658

86-004091

86-004097

86-004099

86-004100

86-004107

86-004109

86-004117

86-004121

86-004126

86-004129

86-004132

86-004133

86-004154

86-004158

86-005456

Endangered/Threatened

86-004131

Enzymes

86-002583

Fish Stocks

86-000458

86-000459

86-002597

86-004135

Gene Organization

86-001548

86-004103

Gene Polymorphism

86-001543

Gene Transfer

86-001528

General

86-004130

86-004137

Genetic Divergence

86-002580

86-004110

86-004145

86-004147

86-004895

Genetic Fitness

86-004116

Genetic Markers

86-002593

86-003227

86-005456

CONTINUED .

Genetics
 Genetic Markers
 86-005464
 86-005465
 Genetic Strains
 86-002590
 86-005471
 Genomes
 86-000438
 86-004101
 Homogenesis
 86-000464
 86-004113
 86-004125
 Heterozygosity
 86-004122
 Hybridization
 86-000004
 86-000443
 86-000444
 86-000449
 86-000453
 86-000454
 86-000465
 86-000519
 86-000743
 86-001052
 86-001177
 86-001384
 86-001532
 86-001541
 86-001547
 86-001549
 86-001551
 86-001638
 86-001652
 86-002098
 86-002154
 86-002581
 86-002584
 86-002595
 86-002813
 86-003434
 86-003435
 86-003474
 86-003939
 86-004090
 86-004094
 86-004120
 86-004126
 86-004127
 86-004129
 86-004759
 86-005467
 Inbreeding
 86-001289
 86-002039
 Insecticide Resistance
 86-005330
 Karyotypes
 86-000440
 86-000442
 86-000448
 86-000455
 86-000457
 86-000467
 86-000469
 86-001529
 86-001537
 86-001544
 86-001550
 86-002582
 86-002585
 86-002588
 86-002596

.. CONTINUED ..

Genetics
 Karyotypes
 86-002599
 86-002601
 86-002602
 86-002611
 86-002614
 86-002624
 86-002914
 86-004092
 86-004101
 86-004118
 86-004123
 86-004139
 86-004140
 86-004141
 86-004142
 86-004144
 86-004149
 86-004151
 Lactate Dehydrogenase
 86-001545
 86-002620
 Learning
 86-004102
 Malate Dehydrogenase
 86-002619
 86-002621
 Maturation
 86-004136
 Mutagens
 86-001525
 86-001539
 86-004108
 MYC Genes
 86-002622
 Offspring Size
 86-004143
 Polymorphism
 86-000469
 86-002594
 86-002619
 86-002620
 86-002621
 86-004097
 86-004109
 Polyploidy
 86-001540
 86-002603
 Population Genetics
 86-000466
 86-001538
 86-001545
 86-002589
 86-002612
 86-004095
 rDNA
 86-001543
 RNA
 86-002598
 Selective Breeding
 86-000024
 86-002039
 86-004106
 86-004112
 Social Behavior
 86-002592
 Speciation
 86-000442
 86-001771
 86-003684
 86-004104
 86-004114
 86-004119
 86-004124

Speciation

86-004145
86-004156
86-004719
86-004815
86-004816
86-004830
86-004831
86-004859
86-004870
86-004871
86-004874
86-004885
86-004898
86-004913

Spinal Deformities

86-002604

Techniques/Chromosome

Preparation

86-002587

Techniques/Isoelectric Focusing

86-002626

Techniques/Ploidy Levels

86-004096
86-004115
86-004155

Transferrin

86-004150

Triploid Fish

86-000004
86-000047
86-000451
86-000452
86-001526
86-001540
86-002586
86-002617
86-002618
86-003812
86-004098
86-004105

Unisex Populations

86-001536
86-001638
86-001652
86-002050
86-004089
86-004439

Variation Studies

86-000156
86-000439
86-000441
86-000446
86-000450
86-000458
86-000460
86-000462
86-000463
86-000842
86-001533
86-001534
86-001535
86-001545
86-001546
86-001552
86-001783
86-002274
86-002591
86-002597
86-002598
86-002607
86-002609
86-002613
86-002623

Genetics

Variation Studies

86-002625
86-002627
86-003693
86-004089
86-004099
86-004107
86-004111
86-004121
86-004128
86-004131
86-004135
86-004148
86-004151
86-004152
86-004153
86-004154
86-004157
86-004343

Habitat Alterations

Aeration

86-005391

Agricultural Drainage

86-003196

Aquatic Plant Control

86-005580

Artificial Reefs

86-000719
86-001067
86-001068
86-001069
86-001070
86-001071
86-001074
86-001075
86-001076
86-001077
86-001078
86-001079
86-001080
86-001082
86-001083
86-001084
86-001085
86-001086
86-001087
86-001088
86-001089
86-001091
86-001094
86-001095
86-001096
86-001098
86-001099
86-001100
86-001101
86-001102
86-001103
86-001104
86-001107
86-001108
86-001109
86-001110
86-001112
86-001113
86-001114
86-001115
86-001117
86-001118
86-001119
86-001120
86-001121
86-001123
86-001125

SUBJECT INDEX

CONTINUED .

Habitat Alterations
Artificial Reefs

-001126
 -001127
 -001128
 -001129
 -001131
 -001133
 -001134
 -001136
 -001137
 -001948
 -003181
 -003183
 -003185
 -003187
 -003192
 -003198
 -003199
 -003200
 -003202
 -003203
 -005409
 Bank Revetment
 -005403
 Boat Traffic
 -005392
 Channelization
 -003190
 -005398
 -005413
 -005417
 Clearcutting
 -005378
 -005382
 -005400
 -005401
 Dredging and Snagging
 -001236
 -001999
 -003312
 Embankments
 -005399
 Fishways
 -001124
 -001947
 -001950
 -001952
 -001998
 -003372
 -005375
 -005376
 -005383
 -005496
 Dredging
 -001130
 -003195
 -005380
 -005393
 -005399
 -005400
 -005414
 -005417
 Dredging
 -005418
 Flow Regimes
 -000532
 -000536
 -000552
 -000562
 -001093
 -001244
 -001946
 -001949
 -005377

... CONTINUED...

Habitat Alterations

Flow Regimes

86-005383
 86-005402
 86-005415
 86-005496
 86-005584

Forestry Practices

86-001073
 86-003186
 86-003189
 86-003197
 86-005378
 86-005379
 86-005382
 86-005386
 86-005387
 86-005390
 86-005396
 86-005400
 86-005401
 86-005402
 86-005405
 86-005410
 86-005412
 86-005419
 86-005421
 86-005592

General

86-001998
 86-003188
 86-005374
 86-005389
 86-005397
 86-005413
 86-005416
 86-005420

Gravel Mines

86-005407

Grazing

86-001072
 86-001092
 86-001097
 86-001111
 86-001116
 86-001122
 86-001243
 86-001245
 86-001246
 86-001996
 86-003194
 86-005385
 86-005400

Heat Exchangers

86-005395

Impoundment

86-003184
 86-004638
 86-005375
 86-005376
 86-005383
 86-005413
 86-005417
 86-005618

Irrigation Projects

86-001596

Land Use Practices

86-001235
 86-001985
 86-001996
 86-005406

Logging Residue

86-005387

Management/Research--Rivers and Streams

86-001998

CONTINUED

Habitat Alterations

Midwater Structures

86-001106

86-001135

Mining

86-001130

86-003058

86-005407

Mosquito Control

86-001951

86-003201

Offshore Drilling

86-000735

86-001087

86-001088

86-001129

86-001953

Power Plants

86-001945

86-001950

86-001952

86-003182

86-005538

Pumped Storage

86-005408

Reservoir Release Effects

86-001081

86-001949

86-005383

86-005496

Riparian Habitat

86-001072

86-001092

86-001097

86-001105

86-001111

86-001116

86-001122

86-001243

86-001245

86-001246

86-001248

86-001996

86-003193

86-003194

86-005385

Salinization

86-005418

Shoreline Development

86-001090

Spawning Habitat Restoration

86-005595

86-005596

Stream Improvement/General

86-001245

86-003191

86-005381

86-005394

Tidal Power Development

86-001945

86-005384

Urban Development

86-005411

86-005418

Water Diversions

86-001233

86-001237

86-001738

86-005377

86-005415

86-005418

Water Level Fluctuations

86-001132

86-005399

86-005575

CONTINUED..

Habitat Alterations

Water Level Fluctuations

86-005576

86-005577

86-005611

86-005618

Wetland Drainage

86-005404

Invertebrates

Acartia tonsa

86-002129

Acid Precipitation

86-005162

86-005214

Acidification

86-005162

86-005214

Acrylamide

86-003117

Arsenic

86-005307

Brachionus calyciflorus

86-002032

Cadmium

86-005262

Copepoda

86-003659

86-003663

86-003664

Crayfish

86-004528

Culture/Propagation

86-002032

DMF

86-005303

Flocculants

86-003091

Flow Regimes

86-002206

Forage Introductions

86-005469

Heavy Metals

86-005262

86-005307

Larpricides

86-005281

Methanol

86-005303

Mine Effluents

86-000972

Mysis relicta

86-003244

86-003662

86-005469

O11

86-001015

O11 Shale Effluents

86-001037

Orconectes

86-003646

pH

86-000979

Piscicides

86-005281

Placer Mining

86-000972

Plecoptera

86-003644

Predator/Prey Relations

86-000663

86-001668

86-002772

86-004602

Sodium Pentachlorophenol

86-005262

SUBJECT INDEX

CONTINUED...

celebrates
vents
-005303
thetic Polyelectrolytes
-003091

-003167
-005281
logy
rification
-005154
-005163

ae
-002210
alinity
-001303
teria
-002207
thos

-001345
-002205
-003643
-003644
-003646
-003647
thos/Drift
-000122
-003645

bon
-002201
enical
-002204
-003637
-003642

composition
-003618
rophication
-002197
-002197
-005184

s Supersaturation
-003628
neral
-000118
-001249
-005578

eat Lakes
-001342
ght Extinction
-005391
deling
-003637

trient Control
-005574
trients
-000120
-000123
-001347
-002202
-003626
-003629
-003631
-003632
-003633
-003634
-003635
-003638
-003640
-003641
-003648
-003649
-003652
-003653
-003657

... CONTINUED...

Limnology
Nutrients
86-003669
86-003670
86-003674

Organic Matter
86-005419

Oxygen
86-000121
86-003627

Paleolimnology
86-002197

Periphyton
86-003671

pH
86-000953
86-003625

Phosphorus
86-000120
86-002202
86-003629
86-003631
86-003632
86-003633
86-003634
86-003635
86-003638
86-003640
86-003648
86-003649
86-003652
86-003653
86-003657
86-003668
86-003669
86-003670

Phytoplankton
86-000025
86-000123
86-002208
86-002212
86-003650
86-003652
86-003655
86-003668
86-003674

Plankton
86-002209
86-003632
86-003634
86-003640
86-003648
86-003653
86-003657
86-003667
86-003669
86-003670

Primary Production
86-001347
86-002214
86-002215

Salinity
86-003639

Seston
86-003618

Silica
86-003638

Techniques/Mapping
86-000116

Techniques/Thermal Studies
86-002200

Techniques/Water Velocities
86-003624

Techniques/Zooplankton
86-001346

...CONTINUED...

Limnology

Transparency

86-000119

86-002198

Trophic Relationships

86-002209

86-002719

86-003674

Trophic Status

86-003666

Turbidity

86-002198

86-002199

Zooplankton

86-002213

86-003649

86-003651

86-003656

86-003659

86-003661

86-003672

86-003673

86-004614

86-004755

86-005162

Management/Research--Estuaries

Chesapeake Bay

86-001251

86-003313

86-005621

Creel Census

86-001962

Freshwater Inflows

86-000788

General

86-001251

86-001252

86-001253

86-001254

86-001741

86-004675

86-005622

86-005623

Mosquito Control

86-003201

Population Studies

86-003314

Management/Research--General

Africa

86-003173

86-005357

Africa, Southern

86-005348

Alaska

86-005366

Artificial Reefs

86-001070

86-001114

86-001123

86-001131

Biographies/Jack A. Ward

86-003176

Commercial Fishing

86-001144

86-001936

86-005426

Community Fishery Centers

86-001936

Creel Census

86-001143

86-001152

86-003219

Data Bases

86-005701

Economic Values

86-001144

...CONTINUED...

Management/Research--General

Economic Values

86-001146

86-005334

86-005429

86-005440

86-005441

Educational Program

86-005351

Environmental Impact Assessments

86-005339

Fisherman Surveys

86-001147

86-001955

86-001961

86-003209

86-003211

86-003221

86-005432

86-005441

Fisherman Surveys/Canada

Ontario

86-001140

Fishing Tournaments

86-001046

86-001055

86-001143

86-005350

86-005365

Florida

86-001056

Flow Regimes

86-001933

Forecasting

86-001610

86-003276

86-005335

General

86-001045

86-001049

86-001053

86-001054

86-001061

86-001062

86-001063

86-001064

86-001938

86-003171

86-003172

86-003175

86-003221

86-005351

86-005354

86-005358

86-005368

Habitat Evaluation

86-001933

86-001942

86-003174

86-003299

Habitat Protection

86-005359

Habitat Rating Systems

86-001942

86-003174

Harvest

86-001282

86-001959

86-003219

86-005426

Hooking Mortality

86-000375

86-001055

86-001169

86-005606

CONTINUED...

Management/Research--General

Ireland

86-005441

Indian Treaty Rights

86-001044

86-001050

Indonesia

86-003383

Information Systems

86-005340

86-005347

86-005353

86-005704

86-005710

86-005722

Jurisdiction

86-005368

Latter

86-001935

Malaysia

86-003383

Migration

86-001058

Multiple Use

86-005341

Planning

86-001060

86-001061

86-001062

86-001063

86-001064

86-001065

86-001942

86-003180

Professionalism

86-001051

86-001940

86-005352

86-005369

Regulations/Catch and Release

86-001964

86-005442

86-005443

86-005447

86-005454

Regulations/General

86-001155

86-001961

86-001963

86-003223

86-005452

86-005454

Regulations/Size Limits

86-005454

Terrestrial Habitat

86-001243

Social Values

86-001939

Mainland

86-003383

United States

86-001938

Wild Trout Management

86-005334

86-005343

86-005440

86-005468

Management/Research--Lakes

Africa: Lake Victoria

86-001047

Alberta: Cold Lake

86-001990

Alberta: Edmonton

86-001991

Alberta: Gull Lake

86-001989

CONTINUED...

Management/Research--Lakes

Aquatic Plant Control

86-005580

Artificial Reefs

86-001080

86-001101

86-001102

86-001103

86-001115

Canada: Manitoba: Lake Winnipeg

86-003286

Colorado: Emerald Lakes

86-001992

Commercial Fishing

86-001217

86-001218

86-001229

86-001993

86-003280

86-003283

86-005184

Cree Census

86-003207

86-003217

86-005435

86-005437

Economic Values

86-001229

86-005423

Egypt: Lake Brollus

86-003285

Eutrophication

86-001216

86-001219

86-002197

86-003281

86-005184

86-005571

Exploitation Rates

86-003288

Fisherman Surveys

86-003207

86-005435

General

86-003286

86-004223

Great Lakes

86-000641

86-001101

86-001102

86-001208

86-001217

86-001218

86-001221

86-001223

86-001965

86-001988

86-003217

86-003282

86-003289

86-005572

86-005579

Harvest

86-003280

86-003283

86-003288

86-004352

86-005435

Lamprey Control

86-003282

Law Enforcement

86-001988

Nigeria: Lake Kafnji

86-003280

Nutrient Control

86-003287

...CONTINUED...

Management/Research--Lakes

Nutrient Control

86-005574

Population Studies

86-000580

86-000800

86-001219

86-001609

86-001751

86-001761

86-001993

86-002710

86-003280

86-003286

86-003288

86-003289

86-004307

86-004352

86-004381

86-005580

Production

86-001226

86-001230

Pulse Fishing

86-003288

Regulations/Size Limits

86-001227

Saline Lakes

86-003284

Salton Sea

86-001220

Shoreline Development

86-001090

Stocking/Introductions

86-001168

86-002710

86-003246

86-005470

86-005478

86-005479

86-005579

Trophic Relationships

86-000669

Water Level Fluctuations

86-001744

86-005575

86-005576

86-005577

Winterkill

86-001754

Yield

86-001226

86-001230

86-004352

Management/Research--Marine

Access

86-003279

Administration

86-003177

86-003179

86-005668

Administrative Reports

86-001066

Artificial Reefs

86-000719

86-001067

86-001068

86-001069

86-001071

86-001074

86-001075

86-001076

86-001077

86-001078

86-001079

...CONTINUED...

Management/Research--Marine

Artificial Reefs

86-001082

86-001083

86-001084

86-001085

86-001086

86-001087

86-001088

86-001089

86-001091

86-001094

86-001095

86-001096

86-001098

86-001099

86-001100

86-001104

86-001107

86-001108

86-001109

86-001110

86-001112

86-001113

86-001117

86-001118

86-001119

86-001120

86-001121

86-001125

86-001126

86-001127

86-001128

86-001129

86-001133

86-001134

86-001136

86-001137

86-001948

86-002802

86-003181

86-003183

86-003185

86-003187

86-003192

86-003198

86-003199

86-003200

86-003202

86-003203

86-005409

Artisanal Fisheries

86-005650

86-005661

86-005682

Atlantic Ocean

86-001262

86-001263

Atlantic Ocean, North

86-002004

86-005639

86-005675

Australia

86-005624

Bering Sea

86-004750

86-005625

86-005640

California: Humboldt Bay

86-005673

86-005688

Caribbean Sea

86-005682

Commercial Fishing

86-001267

CONTINUED

Management/Research--Marine
 Commercial Fishing
 6-001268
 6-001954
 6-003204
 6-003205
 6-003206
 6-003216
 6-003342
 6-004758
 6-005625
 6-005642
 6-005644
 6-005645
 6-005648
 6-005658
 6-005662
 6-005669
 6-005685
 6-005686
 Censuses
 6-003205
 6-003214
 6-003215
 6-003222
 6-003342
 6-005428
 Economic Values
 6-001268
 6-001954
 6-005633
 6-005645
 6-005659
 Environmental Impact Assessments
 6-005666
 Fisheries
 6-005647
 Laboratory Fishing
 6-003315
 6-005670
 6-005681
 Exploitation Rates
 6-005625
 Fisheries Surveys
 6-001145
 6-003208
 6-003214
 6-003222
 6-003317
 6-005425
 6-005427
 6-005428
 Fishery Cooperatives
 6-005676
 Recasting
 6-002008
 6-003324
 6-003329
 General
 6-001204
 6-001252
 6-001257
 6-001258
 6-001259
 6-001260
 6-001261
 6-001262
 6-001263
 6-001265
 6-001619
 6-002004
 6-002005
 6-003072
 6-003177
 6-003316

...CONTINUED...

Management/Research--Marine
 General
 86-003317
 86-003318
 86-003319
 86-003320
 86-003322
 86-003323
 86-003325
 86-003326
 86-003328
 86-003330
 86-003331
 86-003332
 86-003333
 86-003335
 86-003338
 86-003340
 86-003341
 86-003344
 86-003345
 86-003348
 86-003349
 86-003350
 86-003351
 86-003352
 86-003353
 86-003355
 86-004750
 86-005559
 86-005628
 86-005629
 86-005631
 86-005632
 86-005634
 86-005635
 86-005636
 86-005638
 86-005639
 86-005640
 86-005641
 86-005643
 86-005646
 86-005647
 86-005648
 86-005649
 86-005652
 86-005655
 86-005657
 86-005659
 86-005661
 86-005662
 86-005663
 86-005665
 86-005668
 86-005674
 86-005675
 86-005678
 86-005679
 86-005680
 86-005687
 86-005688
 86-005689
 General/Japan
 86-005654
 Gulf of Mexico
 86-005657
 Habitat Alterations
 86-003188
 Harvest
 86-001150
 86-001194
 86-001960
 86-002009
 86-002011

CONTINUED
Management/Research--Marine Harvest

86-003204
86-003206
86-003212
86-003216
86-003337
86-003342
86-005439
86-005642
86-005644
86-005670
86-005682

Hawaii

86-004340
86-005645
86-005646
86-005648
86-005655
86-005659
86-005662
86-005668
86-005674
86-005686

Indian Ocean

86-001260
86-001261
86-005631
86-005634
86-005637

Jurisdiction

86-001157
86-002012
86-003316
86-003318
86-003321
86-003331
86-003346
86-005626
86-005641
86-005652
86-005664
86-005684

Kuwait

86-000054

Law Enforcement

86-005449

Law of the Sea

86-005626

Management Decisions

86-003335

Maximum Sustainable Yield

86-005672

Mediterranean Sea

86-005643

Midwater Structures

86-001106

86-001135

Mitigation

86-001084

Modeling

86-005559

New Jersey

86-003336

New Jersey: Raritan Bay

86-003337

86-003339

86-003354

New Zealand

86-005624

Offshore Drilling

86-001953

Pacific Ocean

86-005628

86-005631

CONTINUED
Management/Research--Marine

Population Studies

86-000577
86-002008
86-002862
86-003356
86-004340
86-004758
86-005662

Production

86-000568
86-000570

Reef Fish Communities

86-005627

Regulations/Fishing Gear

86-005490

Regulations/General

86-005446

86-005451

86-005660

Regulations/Quotas

86-005448

Social Values

86-005633

South China Sea

86-005636

Stocking/Introductions

86-003238

Management/Research--Ponds

Aeration

86-005391

Aquatic Plant Control

86-000001

Fertilization/Soil and Water

86-001195

Fish Control/Removal

86-001158

86-003308

86-005455

General

86-003309

Population Studies

86-001249

86-001613

86-003362

Regulations/Size Limits

86-003306

Stocking/Introductions

86-003235

86-003307

86-005467

Water Level Fluctuations

86-005611

Winterkill

86-005612

Management/Research--Reservoirs

Clearing and Snagging

86-001999

86-003312

Commercial Fishing

86-005434

Creel Census

86-003220

86-005422

86-005424

86-005434

Drawdowns

86-001132

Fertilization/Soil and Water

86-001195

Fish Control/Removal

86-001158

Fisherman Surveys

86-005422

86-005619

SUBJECT INDEX

CONTINUED...

Management/Research--Reservoirs
 General
 86-005613
 86-005614
 Harvest
 86-005434
 India: Bhavanisagar Reservoir
 86-005617
 India: Nagarjunasagar Reservoir
 86-005616
 India: Rihand Reservoir
 86-005615
 Population Studies
 86-003310
 86-003312
 86-005618
 Reservoir Impoundment Studies
 86-005619
 Reservoir Release Effects
 86-001093
 86-003372
 Stands/Timber
 86-003312
 Stocking/Introductions
 86-000722
 86-001170
 86-001175
 86-001250
 86-003234
 86-003239
 86-005620
 Wetlands
 86-003301
 Zoology/Fisheries
 86-003311
 Water Level Fluctuations
 86-005618
 Zimbabwe
 86-005614
 Management/Research--Rivers and Streams
 Abundance/Factors of
 86-004771
 86-004781
 Artisanal Fisheries
 86-005431
 Channelization
 86-005398
 Ctenophores
 86-005600
 Clearing and Snagging
 86-001236
 Commercial Fishing
 86-001240
 Creel Census
 86-001142
 86-001149
 86-001153
 86-001172
 86-001242
 86-002848
 86-003210
 86-003213
 86-003218
 86-005438
 86-005453
 86-005593
 Dredging
 86-005393
 86-005414
 Economic Values
 86-001153
 Exploitation Rates
 86-001242
 Fish Control/Removal
 86-003127

CONTINUED...

Management/Research--Rivers and Streams
 Fisherman Surveys
 86-003210
 86-005430
 Florida: St. Johns River
 86-003295
 Flow Regimes
 86-001093
 86-001233
 86-001244
 86-001946
 86-001949
 86-003296
 86-003302
 86-003372
 86-005393
 86-005496
 86-005584
 86-005587
 86-005598
 General
 86-001239
 86-001241
 86-001997
 86-001998
 86-003304
 86-005588
 86-005593
 86-005597
 86-005607
 Habitat Alterations
 86-000499
 86-001998
 86-003196
 86-005375
 86-005376
 86-005383
 86-005393
 86-005403
 86-005407
 86-005410
 86-005414
 86-005496
 Habitat Evaluation
 86-001234
 86-001238
 86-003297
 86-003299
 Habitat Improvement/General
 86-005398
 Habitat Rating Systems
 86-003291
 86-003297
 Harvest
 86-001994
 86-005431
 Land Use Practices
 86-005406
 Multiple Use
 86-003300
 Population Studies
 86-000582
 86-000588
 86-000796
 86-000806
 86-001603
 86-001608
 86-001994
 86-002731
 86-002848
 86-002860
 86-002869
 86-002874
 86-003294
 86-003298

| CONTINUED .. | CONTINUED.. |
|---|----------------------------|
| Management/Research--Rivers and Streams | Management/Research--River |
| Population Studies | Stream Improvement/Gener |
| 86-004338 | 86-005590 |
| 86-004347 | Supplemental Stocking |
| 86-004380 | 86-001968 |
| 86-004383 | Tailwaters |
| 86-004747 | 86-003301 |
| 86-004753 | Trout Stream Management |
| 86-004775 | 86-001232 |
| 86-005582 | 86-001242 |
| 86-005583 | 86-003193 |
| 86-005608 | 86-005388 |
| Pre-Impoundment Studies | 86-005594 |
| 86-005599 | 86-005601 |
| Put-and-Take | 86-005604 |
| 86-001172 | Water Diversions |
| Recreational Benefits | 86-001237 |
| 86-005430 | Wild Trout Management |
| Regulations/Catch and Release | 86-005488 |
| 86-005450 | 86-005604 |
| 86-005453 | Modeling |
| 86-005606 | Age/Growth |
| Regulations/General | 86-000718 |
| 86-005445 | 86-004357 |
| Regulations/Size Limits | 86-004643 |
| 86-001156 | Bioassay Techniques |
| 86-005444 | 86-005284 |
| Reservoir Release Effects | Bioenergetics |
| 86-001081 | 86-001976 |
| 86-001093 | Biomass |
| 86-001749 | 86-003273 |
| 86-005383 | Catch per Unit Effort |
| 86-005496 | 86-001214 |
| Restoration of Anadromous Runs | 86-003275 |
| 86-003292 | Culture/Propagation |
| 86-003293 | 86-001279 |
| 86-005609 | 86-002037 |
| Riparian Habitat | 86-003454 |
| 86-001072 | 86-003513 |
| 86-001092 | Economic Values |
| 86-001097 | 86-001229 |
| 86-001105 | 86-005543 |
| 86-001111 | Ecosystems |
| 86-001116 | 86-001213 |
| 86-001122 | 86-005559 |
| 86-001235 | Egg Production |
| 86-001243 | 86-000583 |
| 86-001245 | Exploitation Rates |
| 86-001246 | 86-001980 |
| 86-001248 | 86-001982 |
| 86-001996 | 86-005555 |
| 86-002886 | Fisheries |
| 86-003194 | 86-001202 |
| 86-003305 | 86-001980 |
| 86-005592 | 86-001982 |
| River Jordan | 86-003271 |
| 86-001995 | 86-004761 |
| Sedimentation | 86-005542 |
| 86-003290 | 86-005548 |
| Spawning Channels | 86-005549 |
| 86-005610 | Foods/Feeding |
| Spawning Habitat Restoration | 86-001210 |
| 86-005595 | 86-004495 |
| 86-005596 | 86-004585 |
| Stocking/Introductions | Forecasting |
| 86-001172 | 86-005335 |
| 86-001968 | Game Theory |
| 86-002824 | 86-005554 |
| 86-003252 | General |
| 86-005488 | 86-005566 |
| Stream Improvement/General | Harvest |
| 86-001245 | 86-001980 |
| 86-003191 | 86-001982 |
| 86-005381 | 86-005545 |
| 86-005394 | 86-005551 |

CONTINUED.

eeling
 and Use Practices
 86-001985
 imnology
 86-003637
 anagement/Research--General
 86-001211
 anagement/Research--Lakes
 86-001208
 86-001223
 86-001224
 anagement/Research--Marine
 86-001269
 anagement/Research--Rivers and
 streams
 86-003299
 aximum Sustainable Yield
 86-005630
 ortality Rates
 86-005547
 ovements
 86-001212
 86-005556
 onlinear Mapping
 86-003278
 ptimum Yield
 86-005549
 ollution
 86-001987
 opulation Studies
 86-000565
 86-000583
 86-001206
 86-001269
 86-002729
 86-002731
 86-003272
 86-003273
 86-004310
 86-004328
 86-004338
 86-004352
 86-004357
 86-005284
 86-005546
 86-005550
 86-005552
 86-005558
 86-005561
 86-005562
 opulation Thinning
 86-005550
 roduction
 86-005570
 egulations
 86-003223
 isk Analysis
 86-005541
 earch Problems
 86-005560
 tock Reduction Analysis
 86-001979
 tock-Production
 86-005555
 tock-Recruitment
 86-001207
 86-001209
 86-001981
 86-001986
 86-003276
 86-004337
 86-004368
 86-005544
 86-005564
 86-005565

...CONTINUED ..

Modelling
 Toxicology
 86-005108
 86-005312
 Virtual Population Analyses
 86-005561
 von Bertalanffy Growth Function
 86-005563
 Yield
 86-001978
 86-005567
 86-005569
 Morphology
 Abnormalities
 86-002241
 86-003708
 86-003781
 86-003784
 Acoustico-Lateralis System
 86-000179
 86-001368
 86-002262
 86-003703
 86-003762
 Alarm Cells
 86-004043
 86-004044
 Albinism
 86-000171
 Ampullary System
 86-003779
 Auditory Senses
 86-000158
 Blood
 86-002270
 86-002394
 Body Form
 86-000168
 86-000173
 86-001391
 86-001392
 86-003771
 86-004175
 Body-Size Relationship
 86-003747
 Brain
 86-003763
 86-003764
 86-003790
 86-003807
 Branchial Basket
 86-000143
 Cardio-Vascular System
 86-000135
 86-000140
 86-001350
 86-002271
 86-003757
 86-003773
 86-003777
 Chloride Cells
 86-000152
 86-002247
 Cloacal Gland
 86-000175
 Coloration
 86-000145
 86-000478
 86-000619
 86-000829
 86-001388
 86-002280
 86-003793
 86-003797
 86-004159

...CONTINUED...

Morphology

Dentition

86-000150
86-001365
86-001385
86-002260
86-003692
86-004619

Digestive System

86-000271
86-001367
86-001370
86-001373
86-001379
86-003699
86-003723
86-003785
86-003811

Dwarfism

86-001225
86-001683
86-003729

Early Development

86-000050
86-000137
86-000138
86-000144
86-000149
86-000153
86-000154
86-000160
86-000169
86-000177
86-000178
86-000496
86-001300
86-001354
86-001358
86-001359
86-001361
86-001362
86-001372
86-001380
86-001382
86-001383
86-001384
86-001389
86-001741
86-002219
86-002221
86-002235
86-002236
86-002261
86-002283
86-002746
86-003676
86-003677
86-003678
86-003679
86-003691
86-003694
86-003695
86-003699
86-003705
86-003706
86-003707
86-003730
86-003734
86-003735
86-003736
86-003744
86-003746
86-003747
86-003748
86-003752

...CONTINUED...

Morphology

Early Development

86-003753
86-003756
86-003758
86-003759
86-003762
86-003766
86-003774
86-003782
86-003788
86-003789
86-003791
86-003794
86-003795
86-003796
86-003808
86-003809
86-003813
86-004C56
86-004236
86-004264
86-004394
86-004489
86-004782
86-004783
86-004785
86-004786
86-004795
86-004797
86-004806
86-004808
86-004810
86-004811
86-004812
86-004813
86-004819
86-004826
86-004827
86-004829
86-004834
86-004841
86-004842
86-004843
86-004850
86-004851
86-004852
86-004853
86-004855
86-004857
86-004858
86-004861
86-004862
86-004866
86-004867
86-004868
86-004872
86-004873
86-004878
86-004881
86-004886
86-004887
86-004900
86-004901
86-004905
86-004908
86-004909
86-004910

Egg Size

86-000567
86-001380
86-001472
86-002228
86-002229
86-004404

...CONTINUED...

phology
 gg Size
 86-004425
 ggs
 86-000142
 86-000153
 86-000170
 86-001363
 86-001372
 86-002216
 86-002238
 86-002248
 86-002256
 86-002266
 86-002899
 86-003697
 86-003731
 86-003738
 86-003783
 86-004170
 86-004236
 86-004264
 86-005716
 lectric Organs
 86-000174
 86-003704
 mbryology
 86-000050
 86-000053
 86-000131
 86-000133
 86-000139
 86-000146
 86-000152
 86-000159
 86-000297
 86-001300
 86-001353
 86-001374
 86-001381
 86-001440
 86-001647
 86-002218
 86-002219
 86-002221
 86-002240
 86-002244
 86-002275
 86-003694
 86-003695
 86-003712
 86-003739
 86-003748
 86-003752
 86-003755
 86-003774
 ndocrinology
 86-000139
 86-001355
 86-002223
 86-003817
 pendyma
 86-003741
 pidermis
 86-003815
 xcretory System
 86-000128
 86-002232
 86-002237
 in Rays
 86-000716
 Ins
 86-002268
 86-003711
 86-003735

...CONTINUED...

Morphology
 Fins
 86-003740
 86-003784
 Fish Preservation
 86-002252
 Gap Junction
 86-000141
 General
 86-001762
 Gill Rakers
 86-003806
 Gills
 86-000130
 86-000143
 86-000151
 86-001364
 86-001390
 86-002243
 86-002258
 86-002733
 86-003724
 86-003745
 Gonosomatic Index
 86-002761
 Head Kidney
 86-001386
 Heart
 86-000135
 86-003700
 Histology
 86-001375
 Integument
 86-004083
 86-004084
 Kidney
 86-002232
 86-002237
 Liver
 86-002234
 86-002288
 86-003702
 86-003721
 Locomotion
 86-003809
 Melanophores
 86-001371
 86-002263
 86-002267
 Meristic Studies
 86-000124
 86-000126
 86-000127
 86-000136
 86-000155
 86-000157
 86-000162
 86-000165
 86-000180
 86-000459
 86-000842
 86-001366
 86-001552
 86-001714
 86-001863
 86-002217
 86-002228
 86-002239
 86-002245
 86-002257
 86-002274
 86-002832
 86-002901
 86-003684
 86-003687

...CONTINUED...

Morphology

Meristic Studies

86-003693
86-003720
86-003737
86-003749
86-003775
86-003787
86-003800
86-003806
86-003810
86-004117
86-004148
86-004544
86-004884

Metamorphosis

86-004650

Mouth Parts

86-000150
86-000835
86-001352
86-001376
86-001377
86-001675
86-001770
86-002222
86-002230
86-002253
86-002277
86-003714
86-003715
86-003716
86-003726
86-003769
86-003769
86-003770
86-003798
86-004567
86-004594
86-004608

Musculature

86-000149
86-000181
86-001562
86-002898
86-003680
86-003685
86-003686
86-003716

Nervous System

86-000125
86-000164
86-000172
86-001350
86-001368
86-002267
86-002281
86-002284
86-002285
86-002286
86-003682
86-003683
86-003704
86-003728
86-003741
86-003755
86-003763
86-003764
86-003773
86-003790
86-003801
86-003807

Neuromasts

86-002254

Nuptial Tubercles

86-003732

...CONTINUED...

Morphology

Nuptial Tubercles

86-003793
Olfaction
86-000145
86-000166
86-002278
86-002284
86-003713
86-003715
86-003778
86-003802

Otoconia

86-003709

Otoliths

86-000163
86-000511
86-000723
86-000733
86-000734
86-000740
86-000741
86-002224
86-002252
86-002265
86-002475
86-003689
86-003710
86-003799
86-003896
86-004446

Pancreas

86-003681

Pigments

86-000167
86-001388
86-002256
86-002263
86-002264
86-003765
86-003786

Pituitary

86-000132
86-000148
86-000336
86-002220
86-002225

Polymorphism

86-001394

Rectal Gland

86-002259

Reproductive System

86-000142
86-000147
86-002233
86-002255
86-002261
86-002743
86-002751
86-003750
86-003812
86-003994
86-003998

Respiratory System

86-002258
86-003724
86-003725
86-003751
86-003760
86-003761

Rodlet Cells

86-001375

Scales

86-000720
86-000728

| | |
|------------------------------|-------------------------|
| 86-002279 | 86-003687 |
| 86-003690 | 86-003749 |
| 86-003747 | 86-003798 |
| 86-003780 | 86-003810 |
| 86-003792 | 86-004884 |
| 86-004088 | Vision |
| 86-004803 | 86-001378 |
| Sexual Dimorphism | 86-001387 |
| 86-000175 | 86-002231 |
| 86-000597 | 86-002242 |
| 86-001360 | 86-002251 |
| 86-002276 | 86-002272 |
| 86-003754 | 86-002281 |
| 86-003805 | 86-002286 |
| 86-004158 | 86-002287 |
| 86-004641 | 86-003696 |
| Skeletal System | 86-003701 |
| 86-000129 | 86-003719 |
| 86-000176 | 86-003916 |
| 86-001356 | Natural History |
| 86-001377 | Abundance/Factors of |
| 86-002249 | 86-000570 |
| 86-002250 | 86-000587 |
| 86-002269 | 86-000764 |
| 86-002891 | 86-000787 |
| 86-003692 | 86-000788 |
| 86-003698 | 86-000794 |
| 86-003718 | 86-000795 |
| 86-003726 | 86-000806 |
| 86-003727 | 86-000808 |
| 86-003733 | 86-001349 |
| 86-003767 | 86-001744 |
| 86-003772 | 86-001745 |
| 86-003803 | 86-001747 |
| 86-004799 | 86-001750 |
| Perm | 86-001758 |
| 86-000142 | 86-001759 |
| 86-003743 | 86-001761 |
| Umbiladder | 86-002856 |
| 86-002226 | 86-002887 |
| 86-003361 | 86-004338 |
| Stle Reception | 86-004383 |
| 86-002277 | 86-004745 |
| Techniques/Fin Ray Counts | 86-004747 |
| 86-003722 | 86-004750 |
| Techniques/Microscopy | 86-004753 |
| 86-003688 | 86-004756 |
| Techniques/Radiography | 86-004757 |
| 86-003804 | 86-004758 |
| Techniques/Skeletal Staining | 86-004769 |
| 86-003776 | 86-004770 |
| Techniques/Tissue Staining | 86-004771 |
| 86-003717 | 86-004775 |
| Thyroid | 86-004778 |
| 86-003742 | 86-004781 |
| Relation Studies | 86-005583 |
| 86-000126 | Biomass |
| 86-000127 | 86-004747 |
| 86-000136 | Bird Predation |
| 86-000156 | 86-000482 |
| 86-000162 | 86-000711 |
| 86-000180 | 86-001746 |
| 86-000829 | 86-002889 |
| 86-001351 | 86-004508 |
| 86-001366 | 86-004773 |
| 86-001391 | Distribution/Factors of |
| 86-001714 | 86-000645 |
| 86-002216 | 86-000754 |
| 86-002250 | 86-000756 |
| 86-002257 | 86-000757 |
| | 86-000767 |

... CONTINUED ...

Natural History

Distribution/Factors of

86-000773

86-000783

86-001734

86-001742

86-002847

86-002856

86-002869

86-002874

86-004440

86-004692

86-004688

86-004707

86-004716

86-004732

86-004734

86-005585

Distribution/Geographical

86-000762

86-002854

Distribution/Seasonal

86-000645

86-002738

86-002845

86-002847

86-002862

86-004464

Distribution/Vertical

86-000641

86-001653

86-004449

86-004464

86-004477

Egg Drift

86-004732

Egg Predation

86-001756

86-002266

86-004749

Egg Survival

86-000789

86-001753

86-002221

86-004768

Evolution

86-000836

86-001771

86-003684

86-004114

86-004119

86-004124

86-004145

86-004273

86-004719

86-004798

86-004815

86-004816

86-004824

86-004828

86-004830

86-004831

86-004859

86-004865

86-004870

86-004871

86-004874

86-004885

86-004893

86-004898

86-004913

Extinction

86-004865

Fish Stocks

86-000163

.. CONTINUED..

Natural History

Fish Stocks

86-000459

86-000567

86-000584

86-000590

86-001394

86-002221

86-002718

86-003787

86-004320

86-004325

86-004745

Foods/Feeding

86-000651

86-000709

86-001666

86-001671

86-001679

86-002780

86-002794

86-002802

86-004482

86-004489

86-004513

86-004558

86-004586

86-004606

86-004614

Foods/Feeding/Selectiv

86-001693

Hatchling Success

86-000802

Ichthyoplankton

86-004464

86-004742

Identification/Larvae

86-001780

Invertebrate Predation

86-000697

86-000712

Landlocked Populations

86-001606

Larval Drift

86-002767

86-004456

Length-Weight Relations

86-004657

Life History/General

86-000542

86-001594

86-004233

86-004236

86-004264

86-004273

Mammal Predation

86-002877

86-004777

Mortality Factors

86-000697

86-000808

86-004508

Mortality Rates

86-000808

86-002740

86-004321

86-004334

Movements

86-001653

86-004472

86-004716

Nomenclature

86-004860

Nursery Areas

86-004471

SUBJECT INDEX

CONTINUED. .
 Natural History
 Nutrient Control
 86-003626
 Paleontology
 86-000785
 86-000815
 86-000820
 86-001770
 86-001785
 86-002902
 86-004817
 Population Studies
 86-000574
 86-000577
 86-000580
 86-000585
 86-000794
 86-001619
 86-001744
 86-001761
 86-002712
 86-002725
 86-002732
 86-002738
 86-002740
 86-002742
 86-002847
 86-002856
 86-002885
 86-004303
 86-004309
 86-004310
 86-004321
 86-004327
 86-004332
 86-004333
 86-004341
 86-004355
 86-004360
 86-004366
 86-004373
 86-004378
 86-004383
 86-004384
 86-004758
 86-004769
 86-005583
 86-005585
 Predator/Prey Relationships
 86-000474
 86-000481
 86-000482
 86-000656
 86-000663
 86-000667
 86-000670
 86-000679
 86-000687
 86-000692
 86-000697
 86-000712
 86-000800
 86-000809
 86-000919
 86-001668
 86-001671
 86-001672
 86-001690
 86-001691
 86-002635
 86-002661
 86-002772
 86-002775
 86-002783
 86-002787

CONTINUED...
 Natural History
 Predator/Prey Relationships
 86-002790
 86-002799
 86-002804
 86-002809
 86-002877
 86-004183
 86-004186
 86-004480
 86-004481
 86-004493
 86-004501
 86-004514
 86-004536
 86-004547
 86-004564
 86-004571
 86-004576
 86-004602
 86-004609
 86-004610
 86-005578
 Production
 86-000579
 86-000580
 86-000587
 86-000787
 86-004309
 86-004321
 86-004335
 86-004378
 86-004385
 Recruitment
 86-001745
 Reef Fish Communities
 86-001622
 86-001626
 86-002740
 86-002741
 86-002780
 86-004303
 86-004304
 86-004317
 86-004340
 86-004369
 86-004377
 86-004550
 86-004551
 Resource Partitioning
 86-002795
 Sex Ratios
 86-002554
 Spawning
 86-004420
 Speciation
 86-004859
 Standing Crops
 86-000580
 Taxonomy
 86-000785
 86-001779
 86-002891
 86-003684
 86-004114
 86-004124
 86-004145
 86-004236
 86-004719
 86-004805
 86-004815
 86-004816
 86-004830
 86-004831
 86-004859

| | | |
|-----------------------|--|--------------------------|
| 86-004911 | | 86-002203 |
| 86-004913 | | 86-003630 |
| Trophic Relationships | | Phosphorus |
| 86-000120 | | 86-003636 |
| 86-000497 | | 86-003654 |
| 86-000667 | | 86-003665 |
| 86-000669 | | Phytoplankton |
| 86-000674 | | 86-003654 |
| 86-000679 | | 86-003665 |
| 86-000681 | | Plankton |
| 86-000690 | | 86-002211 |
| 86-000709 | | 86-003660 |
| 86-000719 | | Primary Production |
| 86-000757 | | 86-001349 |
| 86-000773 | | 86-003675 |
| 86-001664 | | Secondary Production |
| 86-001690 | | 86-004385 |
| 86-001750 | | Temperature |
| 86-002719 | | 86-001344 |
| 86-002784 | | 86-003621 |
| 86-003674 | | 86-003622 |
| 86-004286 | | 86-003623 |
| 86-004382 | | Upwelling |
| 86-004481 | | 86-001343 |
| 86-004501 | | 86-001349 |
| 86-004507 | | Zooplankton |
| 86-004512 | | 86-003658 |
| 86-004524 | | 86-003663 |
| 86-004538 | | 86-003664 |
| 86-004550 | | Parasites/Diseases |
| 86-004551 | | Abnormalities |
| 86-004556 | | 86-002604 |
| 86-004561 | | 86-005080 |
| 86-004565 | | Acanthobothrium |
| 86-004574 | | 86-005087 |
| 86-004601 | | Acanthocephala |
| 86-004611 | | 86-000852 |
| 86-004615 | | 86-000933 |
| Year Class Strength | | 86-000935 |
| 86-002887 | | 86-001838 |
| Zoogeography | | 86-001842 |
| 86-000754 | | 86-002999 |
| 86-000762 | | 86-003003 |
| 86-000771 | | 86-005076 |
| 86-001742 | | 86-005084 |
| 86-004693 | | 86-005095 |
| 86-004694 | | 86-005114 |
| 86-004719 | | 86-005141 |
| 86-004735 | | Acanthocephaloides genet |
| Oceanography | | 86-005095 |
| Currents | | Acariasis |
| 86-001341 | | 86-005099 |
| 86-001344 | | Acute Inflammatory Respo |
| El Nino | | 86-000934 |
| 86-001348 | | Adenovirididae |
| 86-003619 | | 86-000899 |
| General | | Adenovirosis |
| 86-001758 | | 86-005050 |
| 86-004750 | | Aeromonas |
| 86-004757 | | 86-000868 |
| General/Black Sea | | 86-004944 |
| 86-003617 | | 86-004992 |
| Hypoxia | | Aeromonas hydrophila |
| 86-002203 | | 86-000866 |
| Information Systems | | 86-001805 |
| 86-003615 | | 86-001808 |
| 86-003616 | | 86-002941 |
| 86-003620 | | 86-002945 |

..CONTINUED...

Parasites/Diseases
Aeromonas hydrophila
 86-002951
 86-002962
 86-002963
 86-002966
 86-004943
 86-004948
 86-004970
 86-004980
 86-004981
 86-004983
 86-004985
 86-005007
Aeromonas sabria
 86-001800
Aeromonas salmonicida
 86-000867
 86-000869
 86-000876
 86-001803
 86-002940
 86-002956
 86-002958
 86-002960
 86-002965
 86-004955
 86-004957
 86-004960
 86-004976
 86-004977
 86-004984
 86-004991
 86-004997
 86-004999
 86-005000
 86-005001
 86-005016
 Algal Infections
 86-003026
Allocreadium ictaluri
 86-005086
Amphistomes
 86-001840
Amyloodinium ocellatum
 86-005026
Anadonta grandis grandis
 86-003017
Anemia
 86-003025
 86-003033
Anisakis
 86-003007
Anisakis simplex
 86-003002
 86-005122
Antibiotics
 86-002936
 86-004939
 86-004979
Antibodies
 86-004969
Antigens
 86-004997
Aporocotyle australis
 86-003015
Argulus
 86-005085
Aspergillus
 86-001816
Aspergillus flavus
 86-002970
Atrial Thrombus
 86-005102
Austrobdella bilobata
 86-005137

..CONTINUED...
 Parasites/Diseases
 Bacterial Diseases
 86-000861
 86-000862
 86-000863
 86-000864
 86-000865
 86-000866
 86-000867
 86-000868
 86-000869
 86-000870
 86-000871
 86-000872
 86-000873
 86-000874
 86-000875
 86-000876
 86-000877
 86-000878
 86-000879
 86-000897
 86-001413
 86-001798
 86-001799
 86-001800
 86-001801
 86-001802
 86-001803
 86-001804
 86-001805
 86-001806
 86-001807
 86-001808
 86-001809
 86-002926
 86-002939
 86-002940
 86-002941
 86-002942
 86-002943
 86-002944
 86-002945
 86-002946
 86-002947
 86-002948
 86-002949
 86-002950
 86-002951
 86-002952
 86-002953
 86-002954
 86-002955
 86-002956
 86-002957
 86-002958
 86-002959
 86-002960
 86-002961
 86-002962
 86-002963
 86-002964
 86-002965
 86-002966
 86-002967
 86-002968
 86-004929
 86-004942
 86-004943
 86-004944
 86-004945
 86-004946
 86-004947
 86-004948
 86-004949

| | |
|---------------------------------|---------------------------|
| Furunculosis | General/Indian Ocean |
| 86-004984 | 86-004933 |
| 86-004991 | General/Indiana |
| 86-004999 | 86-002921 |
| 86-005000 | General/Malaysia |
| Gangesia parasiluri | 86-001796 |
| 86-001831 | General/South America |
| Gas Bubble Disease | 86-002924 |
| 86-000914 | General/U K. |
| 86-003628 | 86-002931 |
| 86-005103 | General/USSR |
| 86-005108 | 86-000846 |
| Gas Supersaturation | 86-000849 |
| 86-000910 | 86-000859 |
| General | 86-004916 |
| 86-000843 | 86-004926 |
| 86-000844 | 86-004927 |
| 86-000847 | General/USSR Lake Sartla |
| 86-000848 | 86-004937 |
| 86-000850 | General/USSR River Tom |
| 86-000851 | 86-004918 |
| 86-000853 | General/USSR Tyumen |
| 86-000854 | 86-004931 |
| 86-000855 | 86-004934 |
| 86-000856 | 86-004935 |
| 86-000857 | Gentamicin |
| 86-000858 | 86-000878 |
| 86-000860 | Gill Diseases |
| 86-001790 | 86-003046 |
| 86-001791 | 86-004995 |
| 86-001793 | 86-005014 |
| 86-001794 | 86-005019 |
| 86-001797 | 86-005094 |
| 86-001967 | Gill Necrosis |
| 86-002920 | 86-005318 |
| 86-002922 | Gill Parasites |
| 86-002923 | 86-001789 |
| 86-002925 | 86-003009 |
| 86-002926 | 86-003045 |
| 86-002927 | 86-005034 |
| 86-002930 | 86-005136 |
| 86-002932 | 86-005138 |
| 86-002935 | 86-005142 |
| 86-002937 | Glomerulonephritis |
| 86-003004 | 86-000924 |
| 86-004914 | Glugea stephani |
| 86-004915 | 86-002975 |
| 86-004917 | Golden Shiner Virus |
| 86-004920 | 86-002988 |
| 86-004921 | Goussia |
| 86-004922 | 86-005044 |
| 86-004923 | Goussia carpelli |
| 86-004924 | 86-005023 |
| 86-004930 | 86-005035 |
| 86-004932 | Goussia polylepidis |
| 86-004936 | 86-000881 |
| 86-004938 | Gyrocotyle |
| 86-004941 | 86-003008 |
| 86-005219 | Gyrodactylus |
| 86-005259 | 86-001843 |
| General/Bering Sea | 86-005091 |
| 86-004928 | 86-005130 |
| General/Brazil | Gyrodactylus bullatarudis |
| 86-001795 | 86-000923 |
| General/British Columbia: | 86-000928 |
| Nanaimo River | 86-005139 |
| 86-002938 | Gyrodactylus gasterosteus |
| General/Channel Islands: Jersey | 86-000915 |
| 86-004925 | Gyrodactylus katharineri |
| General/Georgia | 86-005089 |
| 86-004919 | Gyrodactylus lotae |
| General/Gulf of Finland | 86-005089 |
| 86-004940 | Gyrodactylus lucii |
| General/Gulf of Mexico | 86-005089 |
| 86-001792 | |

CONTINUED...

Parasites/Diseases

Protractylus masu

86-005129

Protractylus salaris

86-005110

Protractylus schulmani

86-003053

Protractylus stellatus

86-003023

Putschekia

86-001841

Putschekia affluens

86-001847

Putschekia amphiprocessa

86-001847

Putschekia

86-001851

86-005083

86-005126

Putschekia

86-001814

Putschekia Septicemia

86-000010

86-000866

86-002964

86-004964

86-005059

Putschekia exilis

86-005028

Putschekia salminicola

86-000883

Putschekia Carcinomas

86-005093

Putschekia Cysts

86-001827

Putschekia Lesions

86-000955

Putschekia Neoplasms

86-005186

Putschekia Cellular Ceroidosis

86-005107

Putschekia cyprinif

86-005068

Putschekia heterocerca

86-005142

Putschekia Disease

86-004967

Putschekia Hyperplasia

86-005082

86-005152

Putschekia

86-002984

Putschekia necator

86-000884

Putschekia canadiensis

86-001822

Putschekia

86-005041

Putschekia Disease

86-005020

Putschekia hoferi

86-001806

86-005020

86-005021

Putschekia

86-000891

86-002971

86-002978

86-005038

Putschekia multifiliis

86-000891

86-002971

86-002973

86-002976

86-002978

...CONTINUED...

Parasites/Diseases

Putschekia multifiliis

86-005030

86-005038

Putschekia

86-000898

86-002995

86-005005

86-005051

86-005053

86-005055

86-005063

86-005064

Putschekia Response

86-000845

86-002940

86-002945

86-002951

86-002968

86-002996

86-003959

86-004977

86-005146

Putschekia

86-000861

86-000876

86-000877

86-001799

86-002929

86-002940

86-002944

86-002957

86-002967

86-002978

86-003960

86-004945

86-004963

86-004968

86-004975

86-004980

86-004984

86-004996

86-005064

Putschekia

86-000931

86-005112

Putschekia Lesions

86-001833

Putschekia

86-000902

86-002987

86-002991

86-002994

86-002997

86-005058

Putschekia multivittellaria

86-001821

Putschekia glandicephalus

86-003012

Putschekia

86-005054

86-005062

86-005070

86-005071

Putschekia

86-005042

Putschekia

86-005033

Putschekia

86-001848

86-003040

Putschekia

86-000872

Putschekia

86-005133

...CONTINUED...

Parasites/Diseases

Lamprey Parasitism

86-000919

86-001853

Leeches

86-000936

86-001825

86-005132

86-005137

Lernaea barnimiana

86-003048

Lernaea cruciata

86-005128

Lernaea cyprinacea

86-003035

Lernaenicus

86-005135

Lernaenicus sprattae

86-001832

Lernaecocera luscif

86-003011

Ligistaluridus posthon

86-000920

Ligula intestinalis

86-000520

86-003049

Lincomycin

86-004979

Lintaxine cokeri

86-003029

Liver Lesions

86-000909

Loma morhua

86-001815

Lophoura gracilis

86-003020

Lordosis

86-005104

Lymphocystis

86-001820

86-005057

86-005067

Lymphosarcomas

86-000907

Magathylacus brooksi

86-003012

Mariporrocaecum

86-005140

Methemoglobinemia

86-000895

Microgemma hepaticus

86-005043

Microsporidia

86-005040

Mites

86-005099

Mocardia kampachi

86-002950

Multicalyx cristata

86-005149

Multinucleate Giant Cells

86-000929

Mycobacterium chelonae

86-004947

Mycoplasmas

86-002959

Myctophilus sprostonae

86-005133

Myxobolus

86-003009

Myxobolus encephalicus

86-005029

Myxobolus insidiosus

86-005025

Myxobolus kotlani

86-002983

...CONTINUED...

Parasites/Diseases

Myxosoma cerebralis

86-000010

86-000893

86-001818

86-005037

Myxosporea

86-002974

86-003009

86-005045

Myxosporidia

86-000885

86-002985

Nematodes

86-000906

86-000921

86-000933

86-001822

86-001837

86-001844

86-003002

86-003007

86-003014

86-003041

86-005117

86-005118

86-005122

86-005123

86-005140

86-005144

Neoechinorhynchus cylindrat

86-002999

Neoechinorhynchus prolixoid

86-005076

Neoechinorhynchus robertbau

86-005076

Nephroblastoma

86-005100

Nerocila acuminata

86-003034

86-003051

Nodular Excrescences

86-005145

Nodular Gill Disease

86-000870

86-005094

Nutritional Diseases

86-000922

86-000926

86-003025

86-003036

Octosporella

86-000889

Omatokoita

86-005106

Onchocleidus interruptus

86-005079

Onchocleidus mimus

86-005079

Opistholebetidae

86-001826

Orientacrendium batrachoid

86-005143

Ormethoprim

86-005017

Osteophilotrema malayae

86-001840

Otobothrium kurisi

86-000930

Pachycreadium carnosum

86-003039

Pallisentis kalriai

86-005114

Pancreas Disease

86-001835

CONTINUED .

asites/Diseases
 gradeontacylix
 86-005131
 araechinorhynchus kalriai
 86-005081
 arasitic Ciliates
 86-000892
 arasitic Copepods
 86-000913
 86-000918
 86-001789
 86-001823
 86-001832
 86-001841
 86-001846
 86-001847
 86-003005
 86-003006
 86-003011
 86-003020
 86-003032
 86-003035
 86-003037
 86-003045
 86-003048
 86-005085
 86-005096
 86-005106
 86-005115
 86-005128
 86-005135
 86-005138
 arasitic Isopods
 86-003034
 86-003051
 arasitic Mites
 86-001834
 arasitic Molluscs
 86-003017
 86-005077
 arasitic Turbellarians
 86-005113
 arasiticlides
 86-002934
 aravortex
 86-005113
 asteurella
 86-004963
 86-005013
 asteurella piscicida
 86-005012
 ennella
 86-003037
 agicola longa
 86-005092
 86-005150
 hilometra channai
 86-005118
 hona
 86-002969
 iscicola salmositica
 86-001825
 leistophora priacanthicola
 86-000541
 leorchidae
 86-001826
 lesiomonas shigelloides
 86-004956
 omphorhynchus laevis
 86-005084
 omphorhynchus rocci
 86-001842
 orrocaecum
 86-005140
 roliferative Kidney Disease
 86-002979

...CONTINUED .

Parasites/Diseases
 Proliferative Kidney Disease
 86-003018
 86-005027
 86-005036
 Protocephalus
 86-003031
 Protozoan Diseases
 86-000010
 86-000541
 86-000881
 86-000882
 86-000883
 86-000884
 86-000885
 86-000886
 86-000887
 86-000888
 86-000889
 86-000890
 86-000891
 86-000892
 86-000893
 86-001811
 86-001812
 86-001813
 86-001814
 86-001815
 86-001817
 86-001818
 86-001819
 86-001829
 86-002928
 86-002971
 86-002972
 86-002973
 86-002974
 86-002975
 86-002976
 86-002977
 86-002978
 86-002979
 86-002980
 86-002981
 86-002982
 86-002983
 86-002984
 86-002985
 86-002986
 86-003009
 86-005023
 86-005024
 86-005025
 86-005026
 86-005027
 86-005028
 86-005029
 86-005030
 86-005031
 86-005032
 86-005033
 86-005034
 86-005035
 86-005036
 86-005037
 86-005038
 86-005039
 86-005040
 86-005041
 86-005042
 86-005043
 86-005044
 86-005045
 86-005046
 Pseudascarophis kyphosi
 86-000921

..CONTINUED...

Parasites/Diseases

Pseudomonas
 86-002964
Pseudomonas anguilliseptica
 86-000875
 86-004989
Pseudomonas fluorescens
 86-004959
Pseudotuberculosis
 86-004963
Rajonchocotyle emarginata
 86-003050
Raphidascaris
trachinocephalus
 86-005117
 Red Sore Disease
 86-005128
Renibacterium
 86-002949
Renibacterium salmoninarum
 86-000863
 86-002940
 86-004949
 86-004950
 86-004952
 86-004953
 86-004954
 86-004966
 Reovirus 13P2
 86-002988
Retrobulla angelae
 86-001830
Rhabdovirus
 86-005047
 Rosette Agent
 86-005098
Saccocoeloides godoyi
 86-005116
Salmincola californiensis
 86-003045
Sanguinicola fontinalis
 86-000917
 86-003021
Santeria rubalo
 86-005083
Saprolegnia
 86-000880
 86-005018
 86-005022
Silurodiscoides
 86-005119
 Sodium Pentachlorophenate
 86-002949
Sphaerospora
 86-002972
Sphaerospora arafi
 86-002974
Sphaerospora renicola
 86-005039
 Spring Viraemia
 86-000894
 Spring Viremia
 86-002989
Staphylococcus aureus
 86-005006
Streptococcus
 86-000871
 86-004971
 86-004979
 86-004994
 Stress
 86-001804
Subtriquetra subtriquetra
 86-005153
 Sulphamonomerotoxin
 86-005017

CONTINUED...

Parasites/Diseases

Sunburn
 86-000884
 86-000926
 Swimbladder Disease
 86-005039
 Swimbladder Stress Syn
 86-003001
Tanaorhamphus longirostris
 86-001838
 Telanquiasis
 86-000916
Thersitina gasterosteus
 86-005096
 Toxic Gill Necrosis
 86-003046
 Trematodes
 86-000913
 86-000915
 86-000917
 86-000920
 86-000923
 86-000925
 86-000927
 86-000928
 86-001789
 86-001824
 86-001826
 86-001828
 86-001830
 86-001836
 86-001839
 86-001840
 86-001843
 86-001850
 86-002928
 86-003008
 86-003013
 86-003015
 86-003021
 86-003022
 86-003023
 86-003028
 86-003029
 86-003039
 86-003044
 86-003047
 86-003050
 86-003053
 86-005079
 86-005081
 86-005086
 86-005089
 86-005090
 86-005091
 86-005092
 86-005097
 86-005109
 86-005110
 86-005111
 86-005116
 86-005119
 86-005125
 86-005129
 86-005130
 86-005131
 86-005133
 86-005134
 86-005136
 86-005138
 86-005139
 86-005143
 86-005146
 86-005147
 86-005149

SUBJECT INDEX

CONTINUED ..

Parasites/Diseases

Platyhelminthes

86-005150

86-005151

Platyhelminthes crassus

86-001852

Platyhelminthes nodulosus

86-005105

Pneumonia

86-003037

Pneumocystis carinii

86-005121

Pneumocystis borelli

86-002986

Pneumocystis murmanensis

86-000887

Pneumonia

86-005124

Pneumonia

86-000908

86-000912

86-000932

86-001827

86-001849

86-003010

86-003027

86-003030

86-003136

86-005067

86-005073

86-005148

86-005265

86-005268

86-005314

Pneumonia Disease

86-000874

86-002960

86-004960

86-004976

Pneumonia

86-005062

86-005071

Pneumonia Imaging

86-000883

Pneumonia Light

86-005074

Pneumonia

86-005077

Pneumonia

86-000873

86-000879

86-001801

86-002953

86-004929

86-004965

86-004967

Pneumonia anguillarum

86-000862

86-000873

86-001802

86-002939

86-002940

86-002957

86-002968

86-004946

86-004968

86-004969

86-004975

86-004978

86-004987

86-004990

86-005008

86-005009

86-005010

86-005011

...CONTINUED...

Parasites/Diseases

Vibrionosis

86-002967

86-004929

86-004946

86-004967

86-004990

86-005008

86-005009

86-005010

86-005011

Viral Diseases

86-000010

86-000845

86-000894

86-000896

86-000898

86-000899

86-000900

86-000901

86-000902

86-000903

86-000904

86-000905

86-001820

86-002926

86-002987

86-002988

86-002989

86-002990

86-002991

86-002992

86-002993

86-002994

86-002995

86-002996

86-002997

86-002998

86-004942

86-005005

86-005047

86-005048

86-005049

86-005050

86-005051

86-005052

86-005053

86-005054

86-005055

86-005056

86-005057

86-005058

86-005059

86-005060

86-005061

86-005062

86-005063

86-005064

86-005065

86-005066

86-005067

86-005068

86-005069

86-005070

86-005071

86-005072

86-005073

86-005074

Viral Erythrocytic Necrosis

86-005065

86-005066

Viral Hemorrhagic Septicemia

86-002989

86-002990

86-005060

| | |
|-----------------------------|-------------------------|
| Parasites/Diseases | Physiology |
| Visceral Adhesions | Amino Acids |
| 86-005127 | 86-002659 |
| Whirling Disease | 86-003851 |
| 86-000010 | 86-003853 |
| 86-000893 | 86-004069 |
| 86-001818 | Ampullary System |
| 86-002973 | 86-001490 |
| 86-002976 | Anoxia |
| 86-005037 | 86-000238 |
| White Spot Disease | 86-000277 |
| 86-001813 | 86-001447 |
| 86-005034 | Antibodies |
| Yellowtail Ascites Virus | 86-005005 |
| 86-005048 | Antifreeze Production |
| 86-005049 | 86-001510 |
| 86-005061 | 86-002314 |
| 86-005069 | 86-002315 |
| Yersinia ruckeri | 86-002344 |
| 86-000845 | 86-003848 |
| 86-000861 | 86-003921 |
| 86-000865 | 86-003929 |
| 86-001799 | 86-004146 |
| 86-002940 | Antigens |
| 86-002944 | 86-000226 |
| 86-002954 | 86-000303 |
| 86-002955 | Ascorbic Acid |
| 86-002961 | 86-001005 |
| 86-004951 | 86-002160 |
| 86-004958 | ATP |
| 86-004998 | 86-000287 |
| 86-005003 | 86-000288 |
| Physiology | 86-001397 |
| Acidosis | 86-001433 |
| 86-002533 | 86-002341 |
| 86-003898 | 86-002397 |
| Acoustico-Lateralis System | 86-003939 |
| 86-000206 | 86-003958 |
| 86-000267 | 86-003964 |
| 86-000337 | 86-003989 |
| 86-001445 | Atresia |
| 86-001481 | 86-000275 |
| 86-002301 | Autoregulation |
| 86-002395 | 86-000217 |
| 86-004024 | Bacterial Flora |
| Acute Inflammatory Response | 86-001413 |
| 86-000934 | Bile Composition |
| Air Breathing | 86-004023 |
| 86-000212 | Biochemical Composition |
| 86-000331 | 86-000187 |
| 86-000388 | 86-000219 |
| 86-002384 | 86-000237 |
| 86-003725 | 86-000319 |
| 86-003760 | 86-000379 |
| 86-003761 | 86-000398 |
| 86-004041 | 86-000401 |
| Alarm Substances | 86-000402 |
| 86-001491 | 86-000415 |
| 86-004043 | 86-000432 |
| 86-004044 | 86-000434 |
| Amiloride | 86-001288 |
| 86-000317 | 86-001404 |
| Amino Acids | 86-002159 |
| 86-000083 | 86-002334 |
| 86-000222 | 86-002406 |
| 86-000329 | 86-002411 |
| 86-000399 | 86-002431 |
| 86-000406 | 86-002447 |
| 86-000429 | 86-002458 |
| 86-000493 | 86-002459 |
| 86-002157 | 86-002460 |
| 86-002365 | 86-002485 |
| 86-002484 | 86-002508 |
| 86-002507 | 86-002531 |
| 86-002571 | 86-002535 |

SUBJECT INDEX

CONTINUED. .

Physiology
Biochemical Composition

86-002549
86-003558
86-003861
86-003867
86-003881
86-003891
86-003893
86-003896
86-003908
86-003918
86-003923
86-003967
86-004017
86-004021
86-004022
86-004025
86-004038

Bioenergetics

86-000211
86-000335
86-000415
86-000416
86-000803
86-001250
86-001415
86-001473
86-001694
86-002292
86-002350
86-002351
86-002434
86-002495
86-002653
86-002801
86-003825
86-003863
86-003880
86-004040
86-004048
86-004062
86-004310
86-004430
86-004632

Bioluminescence

86-000284
86-001470
86-002401
86-002516

Blood Chemistry

86-000189
86-000197
86-000213
86-000229
86-000231
86-000236
86-000237
86-000247
86-000248
86-000249
86-000250
86-000255
86-000272
86-000278
86-000286
86-000295
86-000298
86-000313
86-000314
86-000317
86-000328
86-000339
86-000345

. . CONTINUED. . .

Physiology
Blood Chemistry

86-000350
86-000363
86-000376
86-000377
86-000390
86-000394
86-000399
86-000407
86-000423
86-000446
86-000451
86-000909
86-001298
86-001399
86-001402
86-001434
86-001439
86-001454
86-001459
86-001492
86-001504
86-001509
86-001512
86-001516
86-001927
86-002171
86-002310
86-002313
86-002317
86-002322
86-002326
86-002352
86-002365
86-002374
86-002379
86-002389
86-002394
86-002407
86-002408
86-002416
86-002419
86-002443
86-002469
86-002484
86-002490
86-002494
86-002496
86-002497
86-002500
86-002504
86-002524
86-002525
86-002526
86-002528
86-002530
86-002532
86-002544
86-002550
86-002553
86-002555
86-002559
86-002568
86-002578
86-003451
86-003459
86-003587
86-003700
86-003824
86-003850
86-003858
86-003861
86-003876
86-003878

.. CONTINUED ..

Physiology

Blood Chemistry

86-003892

86-003903

86-003907

86-003917

86-003920

86-003924

86-003930

86-003932

86-003966

86-003969

86-003984

86-004003

86-004006

86-004029

86-004046

86-004050

86-004054

86-004067

86-004070

86-004071

86-004072

86-004085

86-004087

86-004132

86-004133

86-004134

86-004988

Body Temperature

86-000204

86-000240

86-001463

86-002305

86-003849

86-003962

Cadmium

86-001453

86-004001

Calcium

86-000242

86-000274

86-000353

86-001399

86-001431

86-001432

86-001505

86-001516

86-002158

86-002334

86-002385

86-002436

86-002475

86-002488

86-002558

86-003912

Carbohydrate Metabolism

86-000375

86-003852

Carbon Dioxide

86-003999

Cardio-Vascular System

86-000194

86-000195

86-000242

86-000245

86-000389

86-000405

86-000414

86-001425

86-001437

86-001480

86-001511

86-002336

86-002340

.. CONTINUED...

Physiology

Cardio-Vascular System

86-002367

86-002370

86-002402

86-002412

86-002421

86-002481

86-002523

86-002541

86-002563

86-003879

86-003880

86-003898

86-003985

86-004026

86-004040

Carotenoids

86-001449

86-002463

86-003940

86-003963

Catecholamines

86-000229

86-000270

86-000314

86-000378

86-001482

86-002310

86-002320

86-002496

86-002514

86-002540

86-003874

Caudal Neurosecretory System

86-000348

86-002414

86-003992

86-004077

Chloride Cells

86-000252

86-002466

Chromaffin Tissue

86-000229

Collagen

86-003926

86-003936

86-004027

86-004035

86-004042

86-004086

Coloration

86-000341

Copper

86-000187

86-003548

Corpuscle of Stannius

86-001505

86-004068

Corticosteroids

86-000350

Cortisol

86-000189

86-000218

86-000231

86-001402

86-001492

86-002303

86-002311

86-002419

86-002500

86-002530

86-003966

86-004081

Cytochalasin B

86-000205

CONTINUED...

Physiology

Digestion Rates

86-000386

86-001665

86-002357

86-002446

86-002792

Digestive System

86-000202

86-000203

86-000282

86-000299

86-000312

86-000358

86-000659

86-001408

86-001478

86-001496

86-001507

86-002312

86-002323

86-002329

86-002331

86-002333

86-002375

86-002396

86-002425

86-002432

86-002446

86-002449

86-002454

86-002467

86-002482

86-002499

86-002527

86-003579

86-003827

86-003831

86-003851

86-003902

86-003949

86-003950

86-003970

86-004055

86-004056

86-004060

86-004065

Digestive System/Bacterial Flora

86-000202

86-000396

86-002517

86-003948

86-003949

86-003950

DNA

86-001401

86-001520

86-002543

86-003707

86-003832

Egg Size

86-000795

Eggs

86-000228

86-000256

86-002368

86-002411

86-002431

86-002510

86-002531

86-003697

86-003926

86-003967

86-004001

86-004020

.. CONTINUED ..

Physiology

Electric Organs

86-001438

86-001486

86-002297

86-003904

Electrophoresis

86-000182

86-000183

86-002389

Electrophysiology

86-000253

86-000322

86-001438

86-001457

86-001458

86-002301

86-002325

86-002492

86-002569

86-003928

86-003936

86-004019

Electroreception

86-002503

86-002513

86-003818

86-003826

86-003987

Electroshock

86-000417

86-002629

86-003894

86-003954

Embryology

86-000297

86-000352

86-000359

86-000409

86-001423

86-002333

86-002350

86-002351

86-003934

Endocrinology

86-000035

86-000196

86-000199

86-000207

86-000209

86-000210

86-000225

86-000226

86-000234

86-000239

86-000257

86-000279

86-000280

86-000285

86-000294

86-000301

86-000302

86-000306

86-000307

86-000311

86-000318

86-000336

86-000338

86-000344

86-000360

86-000363

86-000364

86-000374

86-000381

86-000383

SUBJECT INDEX

...CONTINUED .

Physiology
Endocrinology
Endocrinology

86-000393
 86-000397
 86-000400
 86-000403
 86-000425
 86-000435
 86-000437
 86-001298
 86-001400
 86-001409
 86-001428
 86-001432
 86-001435
 86-001460
 86-002298
 86-002308
 86-002309
 86-002311
 86-002319
 86-002371
 86-002373
 86-002390
 86-002391
 86-002393
 86-002400
 86-002419
 86-002420
 86-002424
 86-002426
 86-002437
 86-002450
 86-002452
 86-002453
 86-002471
 86-002479
 86-002486
 86-002488
 86-002491
 86-002493
 86-002498
 86-002511
 86-002529
 86-002536
 86-002547
 86-002556
 86-002557
 86-002559
 86-002562
 86-002577
 86-003817
 86-003821
 86-003837
 86-003838
 86-003840
 86-003845
 86-003865
 86-003867
 86-003874
 86-003889
 86-003900
 86-003901
 86-003907
 86-003909
 86-003944
 86-003946
 86-003965
 86-003982
 86-003996
 86-004004
 86-004013
 86-004015
 86-004028

...CONTINUED .
Physiology
Endocrinology

86-004030
 86-004031
 86-004036
 86-004037
 86-004055
 86-004068
 86-004076
 86-004081
 Endorphins
 86-000419
 Enzymes
 86-000071
 86-000203
 86-000208
 86-000220
 86-000241
 86-000246
 86-000262
 86-000281
 86-000292
 86-000299
 86-000312
 86-000323
 86-000324
 86-000358
 86-000362
 86-000368
 86-000369
 86-000409
 86-000410
 86-000411
 86-000422
 86-000424
 86-000992
 86-001396
 86-001408
 86-001420
 86-001452
 86-001461
 86-001483
 86-001484
 86-001495
 86-001496
 86-001499
 86-001507
 86-002295
 86-002312
 86-002319
 86-002329
 86-002342
 86-002359
 86-002372
 86-002375
 86-002381
 86-002417
 86-002418
 86-002421
 86-002427
 86-002430
 86-002439
 86-002449
 86-002454
 86-002472
 86-002482
 86-002506
 86-002520
 86-002526
 86-002527
 86-002576
 86-002590
 86-002591
 86-002815

...CONTINUED .

Physiology

Enzymes

86-003820
86-003831
86-003855
86-003859
86-003860
86-003886
86-003899
86-003931
86-003933
86-003949
86-003958
86-003958
86-003971
86-003986
86-003994
86-004008
86-004009
86-004010
86-004012
86-004048
86-004060
86-004061
86-005282

Epidermis

86-004083
86-004084

Excretory System

86-000347
86-000370
86-001462
86-001502
86-002337
86-002343
86-002361
86-002371
86-002377
86-002398
86-002400
86-002430
86-002461
86-002502
86-002552
86-002572
86-003843
86-003846
86-003847
86-003955
86-003999

Exercise

86-000375
86-001417
86-001497
86-001501
86-001515
86-002310
86-002470
86-002496
86-004074

Fecundity

86-000227
86-000273
86-000603
86-000622
86-001472
86-001629
86-001637
86-001639
86-001648
86-001701
86-001755
86-002276
86-002363
86-002756

...CONTINUED .

Physiology

Fecundity

86-003143
86-003577
86-003922
86-004400
86-004404
86-004409
86-004410
86-004413
86-004414
86-004424

Fertilization

86-000431

Food Conversion Efficiency

86-001405
86-001419
86-002051
86-002434
86-003993
86-004045

Food Digestibility

86-000202
86-000233
86-001317

Gall Bladder

86-001498

Gills

86-002733

Glucose

86-002392

Growth

86-003923

Growth Hormone

86-000318
86-000344
86-000403
86-000425
86-001471
86-002308
86-002556
86-002557
86-003821
86-004015
86-004076

Growth Stimulants

86-002348

Healing

86-003040
86-003823

Heavy Metals

86-001453
86-004018

Hermaphroditism

86-001412
86-001441
86-002363
86-002382
86-003883
86-004428

Hormones

86-000234
86-000235
86-000236
86-000261
86-000279
86-000301
86-000307
86-000318
86-000359
86-000394
86-000400
86-001400
86-001418
86-001929

.. CONTINUED...

Physiology

Hormones

86-002294
86-002298
86-002341
86-002348
86-002420
86-002437
86-002450
86-002479
86-002488
86-002489
86-002491
86-002493
86-002523
86-002545
86-002551
86-002578
86-003886
86-003890
86-003900
86-003942
86-003986
86-003989
86-003991
86-004005
86-004052
86-004065
Hypothalamic-Hypophyseal System
86-000198
86-000269
86-000300
86-003995
86-004028

Hypoxia

86-000215
86-000247
86-001509
86-001754
86-002356
86-002384
86-002415
86-002416
86-003869
86-003872
86-003898
86-004029
86-005046

Immune Response

86-000191
86-000265
86-000361
86-000420
86-002306
86-002378
86-002478
86-002483
86-002521
86-002575
86-003834
86-003856
86-003911
86-003959
86-003960
86-003976
86-004014
86-004075
86-004077

Immunoglobulins

86-003953
86-004002
86-004057
86-004058

Induced Maturation

86-000035

. CONTINUED. .

Physiology

Induced Maturation

86-000392
86-000412
86-001422
86-002440
86-002561
Inflammatory Response
86-002504
86-004050
Insulin
86-003875
Integument
86-002565
Ionophore A23187
86-000371
Iron
86-000187
86-001508
86-002142
86-002322
86-002334
86-002459
86-002508
Isozymes
86-002386
Lactate Dehydrogenase
86-000220
86-000240
86-000433
86-002353
86-003914
86-004012
Leucocyte Migration
86-001467
Lipid Composition
86-000259
86-000266
86-000309
86-000315
86-000340
86-000385
86-001404
86-001410
86-002368
86-002512
86-002534
86-002564
86-002566
86-003822
86-003842
86-003943
86-003975
86-004051
86-004082
Lipid Content
86-002447
Lipid Metabolism
86-000079
86-000200
86-000244
86-000258
86-000380
86-000401
86-001398
86-001513
86-001888
86-002132
86-002159
86-002307
86-002392
86-002487
86-002560
86-003533
86-003553

SUBJECT INDEX

...CONTINUED...

Physiology

Lipid Metabolism

86-003877
86-003910
86-003919
86-003931
86-003947
86-003969
86-004036
86-005304

Liver

86-000356
86-001493
86-001500
86-001871
86-002473
86-002520
86-003913

Locomotion

86-000263
86-002349
86-003819
86-004016

Lymphatic System

86-000304

Magnesium

86-000244
86-000272
86-000347
86-000436

Magnetite

86-000491

Masculinization

86-001521

Maturation

86-000016
86-000019
86-000224
86-000310
86-000355
86-000387
86-000391
86-000404
86-000410
86-000415
86-000596
86-000602
86-000603
86-000608
86-001383
86-001477
86-001581
86-001629
86-001648
86-001696
86-002076
86-002290
86-002304
86-002346
86-002363
86-002380
86-002387
86-002409
86-002427
86-002450
86-002476
86-002477
86-002498
86-002545
86-002689
86-002692
86-002752
86-002760
86-002826
86-003400

...CONTINUED

Physiology

Maturation

86-003873
86-003890
86-003935
86-003966
86-003974
86-003983
86-004059
86-004086
86-004136
86-004365
86-004395
86-004400
86-004409
86-004410
86-004434

Metabolic Rates

86-000168
86-000213
86-000243
86-000335
86-000384
86-000421
86-000428
86-001395
86-001419
86-001517
86-001706
86-002354
86-003864
86-003866
86-003868
86-003872
86-003934
86-003997
86-004062
86-004643

Metabolism

86-003956
86-004005

Metallothionein

86-005263

Metamorphosis

86-000279
86-000285
86-001427
86-002283
86-002360

Molybdenum

86-000187

Morphine

86-003941

Mucus

86-001506
86-005331

Musculature

86-000185
86-000240
86-000254
86-000276
86-000283
86-000332
86-000417
86-000434
86-001397
86-001436
86-001451
86-001452
86-001499
86-002292
86-002294
86-002295
86-002335
86-002360

SUBJECT INDEX

...CONTINUED...

Physiology

Musculature

86-002406
86-002474
86-002574
86-003819
86-003928
86-003958
86-004011
86-004017
86-004038
86-004073

Nervous System

86-000194
86-000195
86-000222
86-000251
86-000253
86-000263
86-000282
86-000305
86-000331
86-000337
86-000343
86-000365
86-000373
86-000408
86-000419
86-001425
86-001435
86-001475
86-001476
86-001519
86-002325
86-002330
86-002336
86-002412
86-002474
86-002480
86-002492
86-002513
86-002535
86-003830
86-003836
86-003915
86-003955

Mammary Gland

86-004020

Nitrogen Metabolism

86-002366
86-002443
86-002537
86-002549
86-003884
86-003885

Nutrient Requirements

86-002507

Nutrition

86-000072
86-000081
86-000926
86-001315
86-001320
86-002142
86-002152
86-002157
86-002159
86-002342
86-002487
86-003952
86-005231

Olfaction

86-000289
86-000373
86-002278

...CONTINUED...

Physiology

Olfaction

86-002509

Opioid Peptides

86-003941

Osmoregulation

86-000214
86-000232
86-000252
86-000280
86-000321
86-000325
86-000327
86-000353
86-000385
86-000397
86-001416
86-001426
86-001433
86-001434
86-001443
86-001450
86-001462
86-001466
86-001494
86-001502
86-001514
86-001523
86-001916
86-002293
86-002302
86-002328
86-002341
86-002345
86-002362
86-002377
86-002398
86-002400
86-002407
86-002419
86-002438
86-002455
86-002456
86-002466
86-002468
86-002499
86-002559
86-002567
86-002568
86-002571
86-003284
86-003829
86-003850
86-003906
86-003909
86-003925
86-003938
86-004013
86-004034
86-004039
86-004079

Otoliths

86-003895

Parr-Smolt Transformation

86-000239
86-000326
86-000350
86-000351
86-000380
86-000395
86-000998
86-001460
86-001466
86-001523

...CONTINUED...
 Physiology
 Parr-Smolt Transformation
 86-002392
 86-002409
 86-002438
 86-002448
 86-002456
 86-002471
 86-002803
 86-003841
 86-003889
 86-004081
 86-004085
 86-004086
 pH Regulation
 86-002323
 86-002326
 86-002327
 86-002328
 86-002461
 86-002469
 86-002532
 86-002533
 86-003916
 Phagocytosis
 86-004049
 Phosphorus
 86-003556
 Pigments
 86-000223
 86-000341
 86-002291
 86-002339
 86-002410
 86-002546
 86-003854
 Pineal Body
 86-000330
 86-001474
 86-003840
 86-003973
 86-003981
 86-003990
 86-004053
 Pituitary
 86-003834
 Potassium
 86-001426
 Precocious Males
 86-002476
 Precocious Maturation
 86-001468
 86-002477
 Pressure Effects
 86-002299
 86-002457
 Prostaglandins
 86-001407
 86-004066
 Protandry
 86-001702
 Protein Metabolism
 86-003897
 Protein Synthesis
 86-000244
 86-001465
 86-001866
 86-002159
 86-002335
 86-002361
 86-002405
 86-002815
 86-003531
 86-003538
 86-003582

...CONTINUED...
 Physiology
 Protein Synthesis
 86-003827
 86-003881
 86-003882
 86-003923
 86-003952
 86-003965
 Rectal Gland
 86-000385
 86-001503
 86-002338
 86-002355
 86-002364
 86-002388
 86-002422
 86-002423
 86-002435
 86-002436
 86-002441
 86-002462
 86-002519
 86-002523
 86-002578
 86-002579
 86-003905
 Regeneration
 86-002330
 86-002548
 86-003161
 86-004042
 Renin-Angiotensin System
 86-001485
 86-003985
 Respiratory System
 86-002415
 Reproduction
 86-000188
 86-000190
 86-000199
 86-000201
 86-000216
 86-000224
 86-000256
 86-000296
 86-000301
 86-000310
 86-000311
 86-000316
 86-000322
 86-000338
 86-000360
 86-000364
 86-000372
 86-000373
 86-000381
 86-000383
 86-000413
 86-000426
 86-000596
 86-000603
 86-000604
 86-000614
 86-001409
 86-001412
 86-001418
 86-001441
 86-001468
 86-001484
 86-001487
 86-001639
 86-002332
 86-002346
 86-002347
 86-002373

SUBJECT INDEX

...CONTINUED...

Physiology

Reproduction

86-002380
86-002387
86-002390
86-002391
86-002403
86-002404
86-002424
86-002426
86-002433
86-002437
86-002444
86-002450
86-002452
86-002453
86-002489
86-002493
86-002501
86-002511
86-002515
86-002522
86-002536
86-002539
86-002545
86-002551
86-002554
86-002561
86-002562
86-002566
86-002751
86-003839
86-003845
86-003870
86-003871
86-003873
86-003922
86-003994
86-003998
86-004033
86-004052
86-004400
86-004414
86-004420
86-004424

Reproductive System

86-000147
86-000221
86-000258
86-000275
86-000374
86-000430
86-001424
86-001429
86-002318
86-002427
86-002440
86-002442
86-002548
86-003750
86-003838
86-003901

Research Test Fish

86-002570

Respiration

86-000192
86-000194
86-000197
86-000212
86-000243
86-000247
86-000254
86-000274
86-000277
86-000278

...CONTINUED...

Physiology

Respiration

86-000331
86-000354
86-000365
86-001390
86-001395
86-001512
86-002340
86-002349
86-002354
86-002384
86-002399
86-002505
86-002544
86-003830
86-003844
86-003869
86-003917
86-003951
86-003997
86-004032
86-004041
86-004047

Respiratory System

86-002538

Rigor Mortis

86-002413

RNA

86-001520
86-003707

Rodlet Cells

86-003832
86-003833

Scales

86-004042
86-004088

Selenium

86-001406
86-001455
86-001456
86-003532

Serotonin

86-000263

Sex Determination

86-001337
86-003857

Sex Reversal

86-000230
86-000342
86-003972
86-004212
86-004213

Skeletal System

86-000129
86-000432
86-002385

Sodium

86-000252

Spawning

86-000603

Specific Dynamic Action

86-000213
86-001319

Sperm

86-000357
86-003406

Starvation

86-000186
86-000219
86-000271
86-000399
86-001404
86-001520
86-002331

CONTINUED ..

Physiology

Starvation

86-002397
86-002418
86-002542
86-003862
86-004008
86-004037
86-004045
86-004072
86-004078

Steroids

86-000078
86-000207
86-000310
86-000349
86-000351
86-000356
86-000364
86-000372
86-000391
86-001469
86-001491
86-002151
86-002295
86-002317
86-002390
86-002426
86-002490
86-002501
86-002511
86-003935
86-003942
86-003991
86-004031

Stress

86-000017
86-000193
86-000231
86-000249
86-000313
86-000314
86-000375
86-000376
86-000421
86-000992
86-001399
86-001402
86-001430
86-001446
86-001489
86-001501
86-001518
86-001925
86-002168
86-002169
86-002170
86-002171
86-002300
86-002311
86-002378
86-002428
86-002464
86-002481
86-002518
86-002530
86-003267
86-003590
86-003868
86-003961
86-004054
86-004064
86-004070
86-004072

Swimbladder

86-000418

CONTINUED...

Physiology

Swimming Performance

86-000428
86-001417
86-003863

Taurine

86-002429

Techniques/Blood Chemistry

86-001403
86-003980

Techniques/Blood Sampling

86-001448
86-003046

Techniques/Cell Culture

86-000260
86-000264
86-002451

Techniques/Dietary Markers

86-004080

Techniques/Digestion Rates

86-001665
86-003927
86-003977
86-003988
86-004000

Techniques/Endocrinology

86-003888

Techniques/Hepatocyte

Preparation

86-000334

Techniques/Metabolic Rates

86-001414

Techniques/Radioactive Tra

86-000294
86-004080

Techniques/Reproductive Sy

86-001464

Techniques/Respiration

86-001488

Temperature

86-002313

Thermal Regulation

86-000204
86-001436
86-004007

Thermal Shock

86-000291
86-000293
86-001461
86-002313
86-002316
86-002376
86-002445
86-003937

Tonic Immobility

86-004073

Toxins

86-000366
86-000367
86-005273

Twinning

86-001440

Ultrabronchial Gland

86-001505

Vision

86-000253
86-000320
86-001442
86-001522
86-002358
86-002383
86-002546
86-002573
86-003835
86-003978

SUBJECT INDEX

.CONTINUED...

Physiology

Vitamins

86-002152

86-003532

86-003549

86-003912

Vitellogenin

86-002332

86-002404

86-002444

86-003957

86-004052

Zinc

86-001878

86-004018

Pollution

Acid Mine Water

86-003079

Acid Precipitation

86-000321

86-000939

86-000951

86-000952

86-000953

86-000954

86-000952

86-000963

86-001303

86-001459

86-001867

86-001868

86-002204

86-003055

86-003063

86-003065

86-003076

86-003084

86-003086

86-005155

86-005160

86-005162

86-005163

86-005165

86-005169

86-005171

86-005177

86-005179

86-005192

86-005210

86-005214

86-005218

86-005222

Acidification

86-000944

86-001734

86-003055

86-003655

86-004524

86-005162

86-005171

86-005214

86-005261

Aldrin

86-003066

Aluminum

86-000943

86-000950

86-000962

86-000963

Aroclor

86-005197

Aromatic Hydrocarbons

86-000955

86-005204

Aromatic Organohalogen

86-003074

.CONTINUED..

Pollution

Arsenic

86-005207

86-005212

Biological Indicators

86-005157

86-005168

86-005178

Biological Monitoring

86-003069

86-005183

86-005193

86-005201

Biomagnification

86-000937

86-000938

86-000940

86-000942

86-000943

86-000949

86-000956

86-000957

86-000958

86-000959

86-000968

86-000971

86-000974

86-000995

86-001029

86-001854

86-001856

86-001857

86-001860

86-001920

86-003059

86-003062

86-003066

86-003070

86-003071

86-003074

86-003075

86-003077

86-003078

86-003080

86-003082

86-003083

86-003087

86-003089

86-003143

86-005156

86-005159

86-005161

86-005167

86-005172

86-005173

86-005174

86-005175

86-005176

86-005180

86-005182

86-005187

86-005190

86-005191

86-005197

86-005204

86-005207

86-005208

86-005212

86-005217

86-005326

Cadmium

86-000949

86-001029

86-003062

86-005156

CONTINUED...

lution
Cadmium
86-005159
86-005191
86-005199
Carbaryl
86-005194
Carbofuran
86-003111
Carcinogens
86-005168
Chlorinated Biphenyls
86-001865
Chlorinated Hydrocarbons
86-000971
86-005174
86-005182
86-005188
86-005190
Chlorinated Phenols
86-005161
Chlorine
86-001866
Chlorophenols
86-000971
Coal Leachates
86-005215
Cold Shock
86-000964
Copper
86-001854
86-003062
86-005181
86-005191
86-005199
86-005217
Cypermethrin
86-003081
DDT
86-003054
86-003059
86-003078
86-005205
Dibenzo-p-Dioxins
86-001865
Dieldrin
86-003059
86-003066
Eutrophication
86-000961
86-001216
86-001219
86-003281
86-005184
Fish Hatchery Effluents
86-001285
86-003376
86-003556
Fish Processing Effluents
86-005229
General
86-000874
86-000945
86-000950
86-001010
86-001036
86-001861
86-003004
86-003056
86-003068
86-003072
86-004008
86-005186
86-005219
Heavy Metals
86-000937

...CONTINUED...

Pollution
Heavy Metals
86-000940
86-000943
86-000949
86-000950
86-000956
86-000957
86-000962
86-000963
86-000967
86-000968
86-001029
86-001854
86-001855
86-001856
86-001858
86-001859
86-001869
86-001870
86-001878
86-001904
86-003004
86-003061
86-003062
86-003071
86-003074
86-003075
86-003082
86-003083
86-003085
86-003087
86-003143
86-005156
86-005159
86-005170
86-005172
86-005175
86-005176
86-005180
86-005181
86-005190
86-005191
86-005199
86-005200
86-005207
86-005212
86-005215
86-005217
86-005245
86-005326
Herbicides
86-005197
86-005211
86-005223
Hexachlorobenzene
86-001860
Highway Runoff
86-003067
Hydrocarbons
86-003083
Industrial Wastes
86-003010
Insecticides
86-000938
86-000965
86-000993
86-001896
86-003054
86-003059
86-003066
86-003078
86-003080
86-003081
86-003111

SUBJECT INDEX

.CONTINUED

Stocking/Introductions

Streams

86-003252

Put-and-Take

86-001172

86-005468

86-005482

86-005488

Put-Grow-and-Take

86-001175

Reintroductions

86-005476

86-005480

Supplemental Stocking

86-001970

86-003238

86-005470

86-005474

86-005486

Survival

86-000015

86-000722

86-001169

86-001175

86-001970

86-003246

86-003252

86-005474

86-005479

Techniques

86-001170

Transplanted Species

86-001969

Wild Trout Management

86-005482

Techniques

Acoustical Methods

86-000087

86-001275

86-001277

86-003361

86-003364

86-003365

86-003369

86-005489

86-005691

86-005692

86-005694

86-005695

86-005696

86-005697

86-005698

86-005699

86-005700

86-005702

86-005705

86-005709

86-005714

86-005715

86-005717

86-005718

86-005719

86-005720

86-005721

86-005723

86-005726

86-005728

86-005731

Aerial Surveys

86-003363

Age/Growth

86-000721

86-000723

86-000725

.. CONTINUED..

Techniques

Age/Growth

86-000730

86-000743

86-000744

86-001699

86-002817

86-002823

86-002835

86-004588

86-004628

86-004629

86-004630

86-004645

86-004658

Bioenergetics

86-002785

Biomass

86-001627

Computer Applications

86-003277

86-003620

86-005713

Creel Census

86-001151

86-001152

86-003215

86-005422

86-005438

Data Storage/Retrieval

86-003615

86-005701

86-005703

86-005704

86-005710

86-005722

Egg Counting

86-000117

Egg Identification

86-001276

86-005716

Fish Illustrations

86-001271

86-001272

86-001273

86-001274

86-002015

86-002016

86-002017

86-002018

86-005706

86-005707

86-005708

86-005725

86-005727

86-005729

86-005730

Fish Preservation

86-005711

86-005712

Fisherman Surveys

86-001956

86-001958

Flow Regimes

86-001233

86-005598

Foods/Feeding

86-000654

86-000675

86-001665

86-001667

86-002785

86-003552

SUBJECT INDEX

CONTINUED ..

Techniques
 Foods/Feeding
 86-004491
 86-004492
 86-004528
 86-004563
 86-004585
 Foods/Feeding/Selectivity
 86-002786
 General
 86-005635
 Habitat Evaluation
 86-001234
 Ichthyoplankton
 86-002714
 Larvae Identification
 86-005724
 Marking/Tagging/Biological
 86-001967
 86-005461
 Marking/Tagging/Branding
 86-001966
 86-005459
 Marking/Tagging/Dyes
 86-003231
 Marking/Tagging/Eggs
 86-001166
 Marking/Tagging/Fin-Clipping
 86-001162
 Marking/Tagging/Fluorescent
 Pigments
 86-003229
 Marking/Tagging/General
 86-001162
 86-001163
 86-001164
 86-001966
 86-003233
 86-005463
 Marking/Tagging/Genetic Markers
 86-003227
 86-005456
 86-005464
 86-005465
 Marking/Tagging/Magnetic Tags
 86-001159
 Marking/Tagging/Misc. Tags
 86-003228
 86-003230
 86-003232
 Marking/Tagging/Telemetry
 86-000631
 86-000635
 86-000636
 86-000649
 86-000946
 86-001160
 86-001161
 86-001167
 86-003226
 86-003369
 86-005458
 86-005462
 Marking/Tagging/Tetracycline
 86-001165
 86-001166
 86-003225
 86-005460
 Marking/Tagging/Wire Tags
 86-001159
 86-005457
 Misc. Equipment/Stomach Samplers
 86-004563
 Mortality Rates
 86-004324

...CONTINUED..

Techniques
 Museum Collections
 86-003368
 Museum Techniques
 86-003370
 Otolith Preparation
 86-000744
 86-004645
 Otolith Removal
 86-004588
 Otoliths
 86-002019
 Photography
 86-003367
 Population Studies
 86-000593
 86-000594
 86-001614
 86-001621
 86-001627
 86-001734
 86-002014
 86-002711
 86-002714
 86-002722
 86-002723
 86-002734
 86-002735
 86-003256
 86-003277
 86-003310
 86-003362
 86-003363
 86-003364
 86-004315
 86-004326
 86-004350
 86-005693
 86-005720
 86-005732
 Predator/Prey Relationships
 86-000665
 86-004603
 Remote Sensing
 86-003359
 86-003623
 86-005733
 Satellite Imagery
 86-003366
 86-003371
 Scuba
 86-002014
 86-003360
 Toxicology
 Acidification
 86-005238
 Acrylamide
 86-003117
 86-005316
 Aflatoxins
 86-000978
 Aldrin
 86-005323
 Algicides
 86-005324
 Alicyclic Hexanes
 86-000985
 Alkanes
 86-001889
 Alpha-Terthienyl
 86-001932
 Aluminum
 86-001347
 86-001909
 86-001910

.. CONTINUED ..

Toxicology
 Aluminum
 86-001912
 86-001915
 86-005215
 86-005241
 86-005256
 86-005287
 86-005317
 86-005328
 Aminocarb
 86-001026
 Ammonia
 86-001287
 86-001891
 86-003128
 86-003152
 86-003159
 86-003160
 86-005248
 86-005264
 86-005329
 Ammonium
 86-001880
 86-003141
 Ammonium Sulfate
 86-003133
 Anesthetics
 86-001007
 86-001887
 86-003162
 86-005278
 86-005333
 Anisoles
 86-003147
 Anthracene
 86-005296
 Antimycin
 86-003109
 Aroclor
 86-001883
 Aromatic Amines
 86-003116
 Aromatic Hydrocarbons
 86-000955
 86-003134
 86-003156
 86-005242
 86-005280
 86-005296
 86-005297
 Arsenic
 86-005307
 86-005315
 Asbestos
 86-001877
 Baycarb
 86-005228
 Bayer 73
 86-001043
 Benthocarb
 86-005269
 Benzidine
 86-000978
 Benzo(a)pyrene
 86-000978
 86-003099
 86-003110
 BHC
 86-001930
 Bioassay Techniques
 86-000334
 86-000983
 86-000990
 86-001035

.. CONTINUED ..

Toxicology
 Bioassay Techniques
 86-001041
 86-001926
 86-001931
 86-003129
 86-005231
 86-005237
 86-005244
 86-005250
 86-005251
 86-005254
 86-005270
 86-005284
 86-005289
 Biological Monitoring
 86-005250
 Biomagnification
 86-003137
 86-003140
 Bionex
 86-005228
 Cadmium
 86-000987
 86-001002
 86-001021
 86-001029
 86-001032
 86-001038
 86-001039
 86-001453
 86-001874
 86-001890
 86-001899
 86-001900
 86-001908
 86-001917
 86-001918
 86-001928
 86-003099
 86-003100
 86-003106
 86-003131
 86-003145
 86-003161
 86-003163
 86-003164
 86-005199
 86-005225
 86-005235
 86-005236
 86-005247
 86-005249
 86-005259
 86-005262
 86-005277
 86-005285
 86-005291
 86-005315
 Calcium
 86-005328
 Carbamates
 86-000997
 86-003125
 86-005309
 Carbaryl
 86-005304
 Carbofuran
 86-000994
 86-003111
 86-005309
 Carbon Tetrachloride
 86-005239
 Carboxylic Acid
 86-003147

| | |
|-------------------------------|---------------------------|
| Toxicology | Toxicology |
| Carcinogens | DBNPA |
| 86-003108 | 86-001009 |
| 86-003136 | DCEP |
| 86-005234 | 86-005236 |
| 86-005265 | DDT |
| 86-005268 | 86-001011 |
| 86-005299 | 86-001022 |
| 86-005314 | OEN |
| Chemical Registration | 86-005314 |
| 86-002038 | Detergents |
| Chlordane | 86-001000 |
| 86-003140 | Diammonium Phosphate |
| Chlorinated Benzenes | 86-001013 |
| 86-001032 | Diazinon |
| Chlorinated Dibenzo-p-Dioxins | 86-005253 |
| 86-001913 | Dieldrin |
| Chlorinated Dibenzofurans | 86-001032 |
| 86-001913 | 86-001920 |
| Chlorinated Diphenyl Ethers | Diethylnitrosamine |
| 86-000489 | 86-000932 |
| Chlorinated Hydrocarbons | 86-003136 |
| 86-001905 | Dinitrobenzene |
| 86-003101 | 86-003118 |
| Chlorine | Dioxin |
| 86-003154 | 86-001911 |
| 86-005255 | 86-003097 |
| Chlorothalonil | 86-003114 |
| 86-000991 | 86-003115 |
| 86-001892 | Diquat |
| 86-001893 | 86-003109 |
| 86-001894 | Dithiocarbamates |
| Chlorpyrifos | 86-001031 |
| 86-001903 | DMDA |
| Chromium | 86-005314 |
| 86-001897 | DMF |
| 86-005315 | 86-005303 |
| Ciguatera | Dylox |
| 86-004410 | 86-003109 |
| 86-005273 | Erison |
| 86-005275 | 86-003142 |
| Copper | Endosulfan |
| 86-001004 | 86-001023 |
| 86-001005 | 86-003105 |
| 86-001006 | Endrin |
| 86-001017 | 86-000984 |
| 86-001874 | Eptam |
| 86-001885 | 86-005308 |
| 86-001886 | Ethanol |
| 86-001918 | 86-003162 |
| 86-001921 | Eugenol |
| 86-003088 | 86-003162 |
| 86-003144 | Eulan WA New |
| 86-003145 | 86-003124 |
| 86-005199 | Fenitrothion |
| 86-005247 | 86-000980 |
| 86-005267 | 86-005309 |
| 86-005283 | Fenosan F50 |
| 86-005293 | 86-001034 |
| 86-005315 | Fenvalerate |
| Copper Sulfate | 86-003092 |
| 86-000981 | Fertilizers |
| 86-003109 | 86-001013 |
| Cyanide | 86-003133 |
| 86-000999 | 86-003141 |
| 86-001019 | Fire Retardants |
| 86-003152 | 86-005232 |
| 86-005306 | Fish Processing Effluents |
| Cyclodifene | 86-005229 |
| 86-005330 | Flocculants |
| Cypermethrin | 86-003091 |
| 86-003081 | Fluridone |
| 86-005228 | 86-001902 |
| 86-005252 | Formalin |
| Cythion | 86-003096 |
| 86-003119 | |

86-003109
86-003123
Fungicides
86-000991
86-001040
86-003142
86-005298
Furanace
86-003109
General
86-000992
86-000995
86-001010
86-001036
86-001446
86-001927
86-001931
86-003130
86-005282
86-005288
General/Registration
86-005311
Heavy Metals
86-000982
86-000987
86-000988
86-000996
86-001002
86-001004
86-001005
86-001006
86-001014
86-001016
86-001017
86-001018
86-001020
86-001021
86-001024
86-001028
86-001029
86-001030
86-001032
86-001038
86-001039
86-001347
86-001453
86-001859
86-001874
86-001878
86-001881
86-001885
86-001886
86-001890
86-001893
86-001895
86-001897
86-001899
86-001900
86-001904
86-001908
86-001909
86-001910
86-001912
86-001915
86-001917
86-001918
86-001919
86-001921
86-001925
86-001928
86-003088
86-003089
86-003093

86-003095
86-003099
86-003100
86-003106
86-003113
86-003131
86-003135
86-003143
86-003144
86-003145
86-003149
86-003161
86-003163
86-003164
86-005170
86-005199
86-005215
86-005225
86-005235
86-005236
86-005241
86-005245
86-005246
86-005247
86-005249
86-005256
86-005259
86-005262
86-005263
86-005267
86-005274
86-005277
86-005283
86-005285
86-005286
86-005287
86-005291
86-005293
86-005295
86-005301
86-005306
86-005307
86-005315
86-005317
86-005326
Heptachlor
86-005323
Herbicides
86-000981
86-003125
86-005211
86-005223
86-005269
86-005290
86-005308
Hexachlorobenzene
86-001907
Hydrocarbons
86-000985
86-001888
Hydrothol
86-005290
Insecticides
86-000980
86-000981
86-000984
86-000993
86-000994
86-001011
86-001022
86-001023
86-001026
86-001032

Toxicology
 Paraquat
 86-000981
 Parathion
 86-001032
 Pentachlorophenolate
 86-003150
 Pentachlorophenol
 86-001032
 86-001040
 86-001042
 86-003107
 86-005236
 86-005294
 Permethrin
 86-000988
 Pesticides
 86-001031
 86-001043
 86-003132
 86-005292
 86-005330
 pH
 86-000130
 86-000200
 86-000977
 86-000979
 86-000998
 86-001003
 86-001025
 86-001033
 86-001881
 86-001909
 86-001910
 86-001912
 86-001916
 86-001923
 86-001929
 86-002289
 86-002311
 86-002681
 86-003090
 86-003135
 86-003139
 86-003862
 86-005238
 86-005240
 86-005241
 86-005247
 86-005256
 86-005261
 86-005310
 86-005313
 86-005318
 86-005319
 86-005327
 86-005328
 86-005331
 Phenols
 86-001012
 86-001882
 86-001924
 86-003112
 86-003147
 86-003152
 86-005260
 86-005321
 Phenthoate
 86-005304
 Phenylxylylethanes
 86-003146
 Phosphamidon
 86-005279
 Phosphate Esters
 86-001884

CONTINUED
 Toxicology
 Piscicides
 86-000993
 86-001336
 86-001932
 86-001965
 86-003104
 86-003166
 86-003167
 86-003168
 86-003224
 86-005281
 86-005332
 Piscicides/Registration
 86-002038
 Polychlorinated Biphenyls
 86-000986
 86-001008
 86-001011
 86-001917
 86-003098
 86-003140
 Potassium Permanganate
 86-003109
 86-003123
 Propanidol
 86-005278
 Pulp Mill Effluents
 86-001012
 86-001914
 86-003157
 86-005320
 86-005325
 Pyrethroids
 86-003092
 Quinoline
 86-001876
 Radiation
 86-000382
 Radionuclides
 86-003155
 Research Test Fish
 86-002570
 86-003060
 86-005231
 Rotenone
 86-003104
 86-003109
 86-003168
 Rotenone/Detoxification
 86-003166
 Salt
 86-003109
 Saponified Castor Oil
 86-005324
 Selenium
 86-001898
 86-003102
 86-003103
 86-003153
 86-005233
 Shellcarb
 86-005228
 Silver
 86-001017
 Sister-Chromatid Exchange
 86-001926
 Slimeicides
 86-001034
 Sodium Chloride
 86-003096
 Sodium Pentachlorophenolate
 86-005230
 86-005262
 Soliricin
 86-005324

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